

Program EVALPLOT
(Version 2021-1)

by

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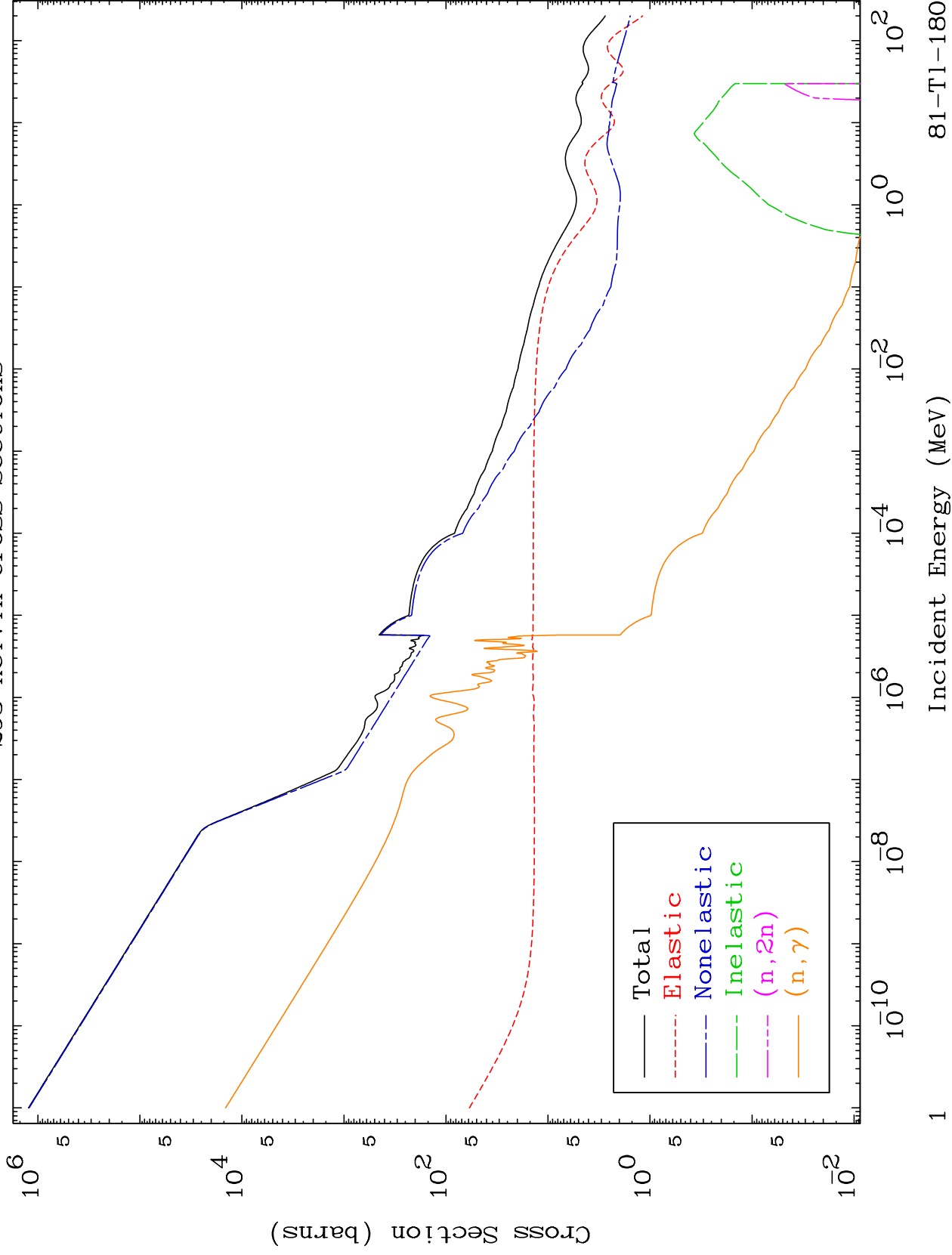
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8056

Neutron Major
293 Kelvin Cross Sections

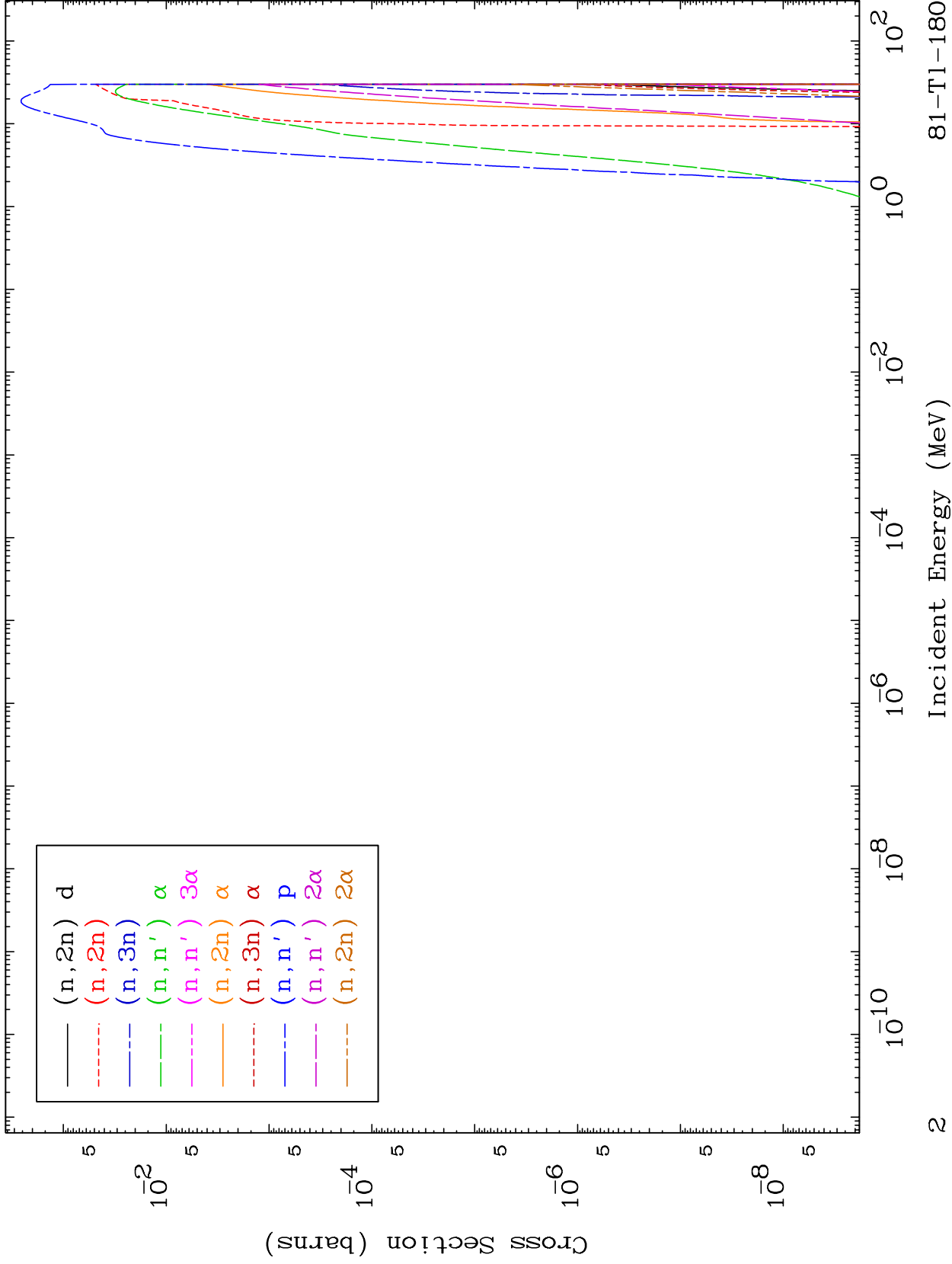
81-Tl-180



MAT 80566

Neutron Absorption
293 Kelvin Cross Sections

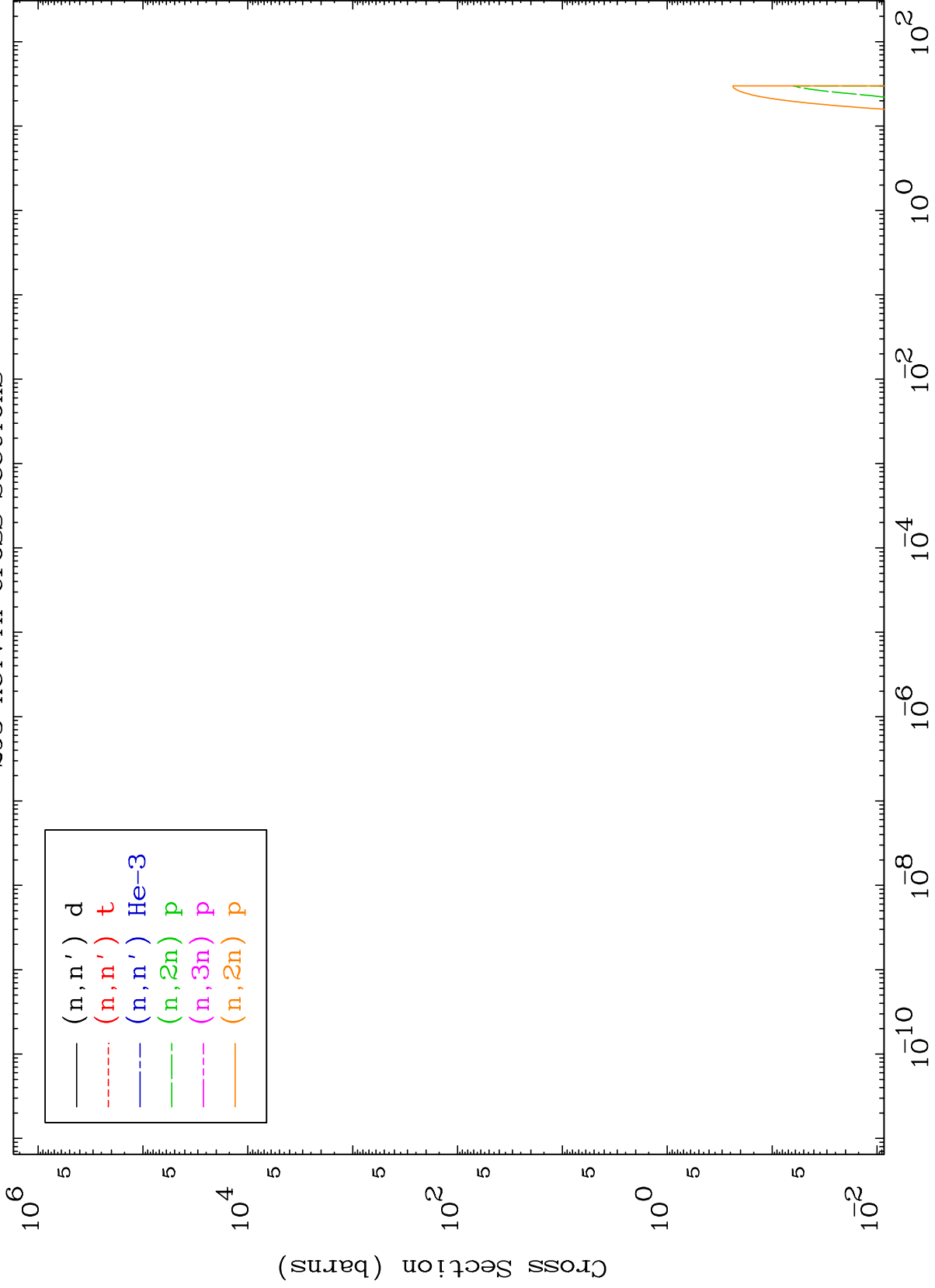
81-Tl-180



MAT 8056

Neutron Absorption
293 Kelvin Cross Sections

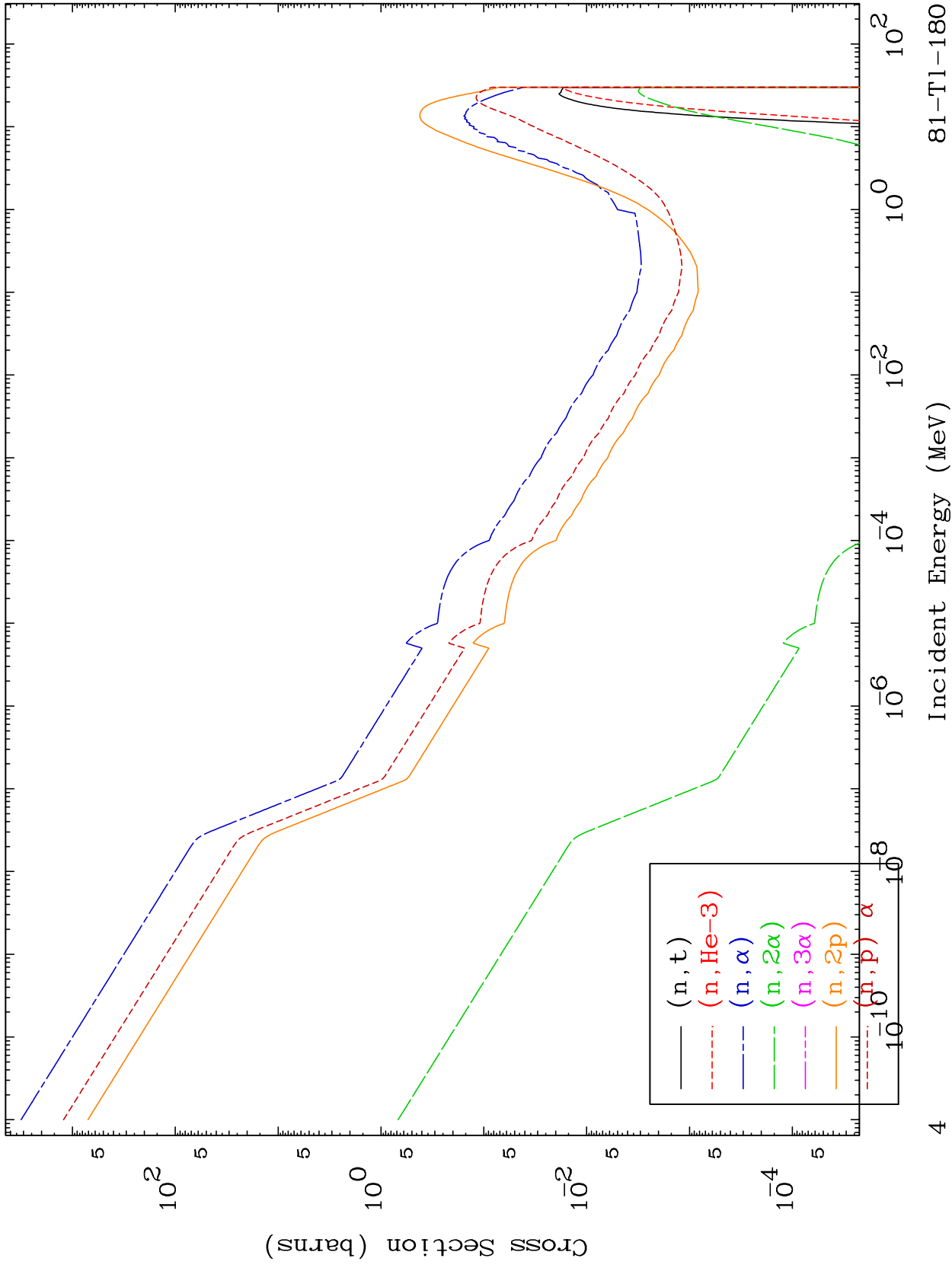
81-Tl-180

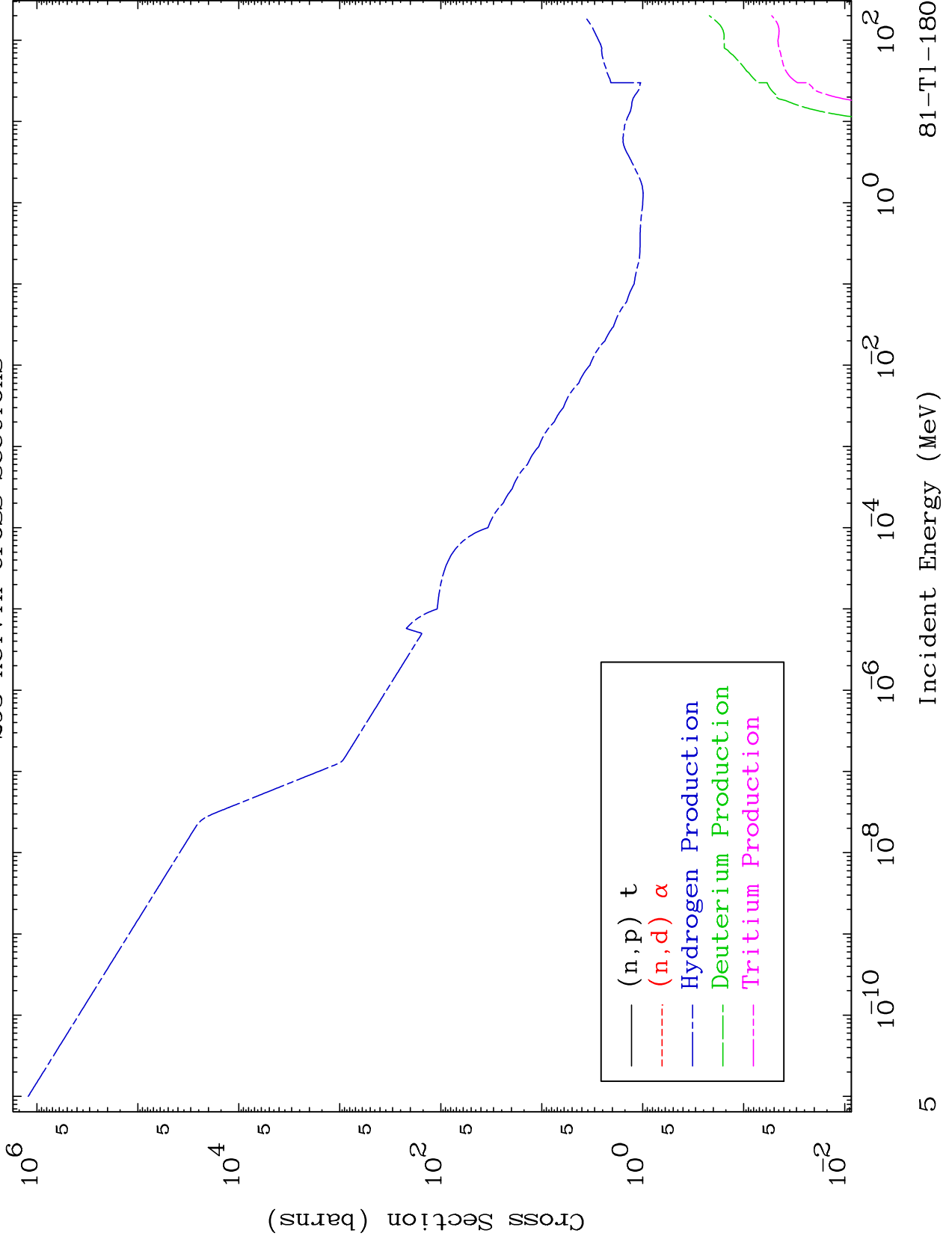


MAT 8056

Neutron Absorption
293 Kelvin Cross Sections

81-Tl-180

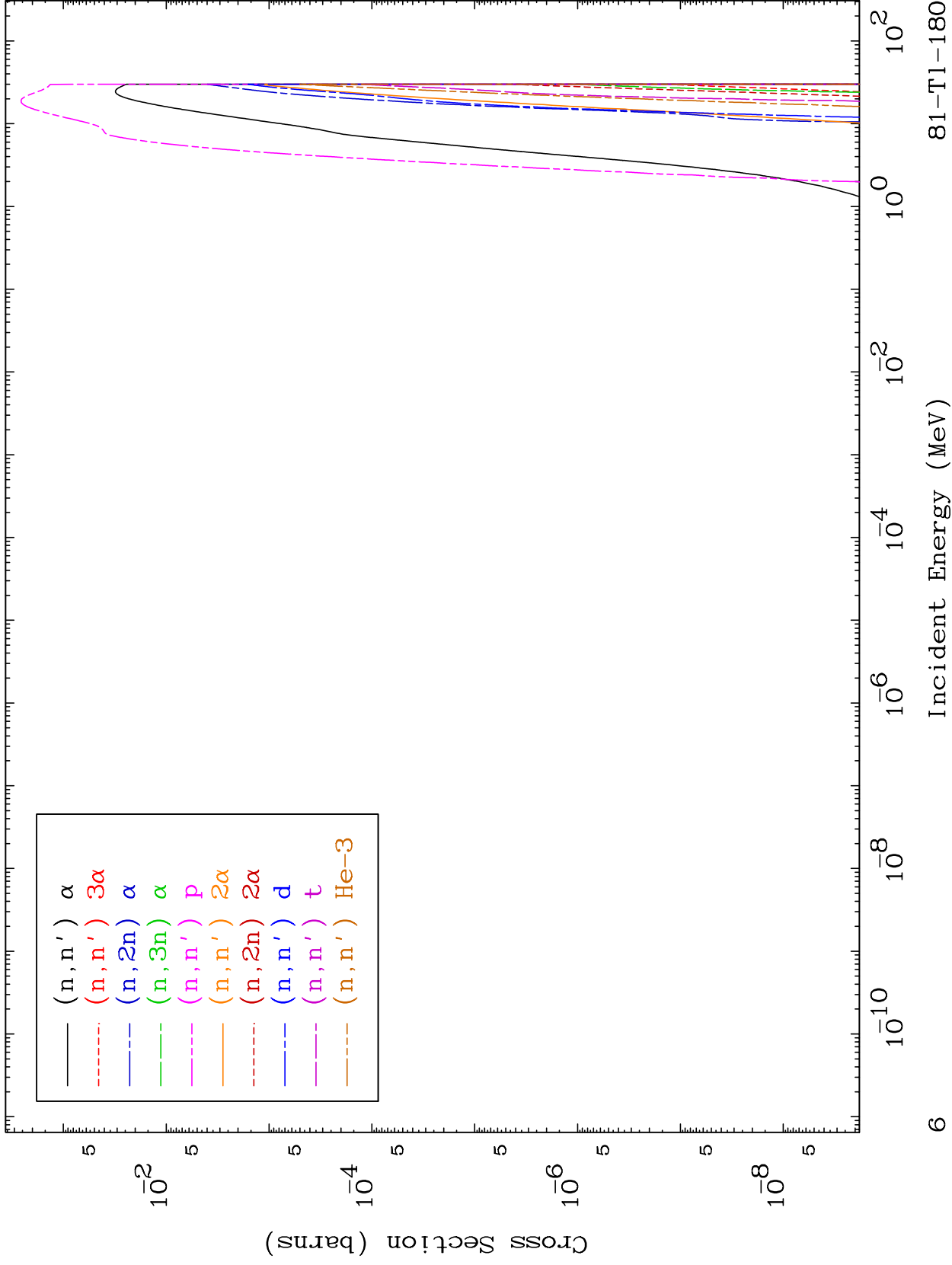




MAT 8056

Charged Particle
293 Kelvin Cross Sections

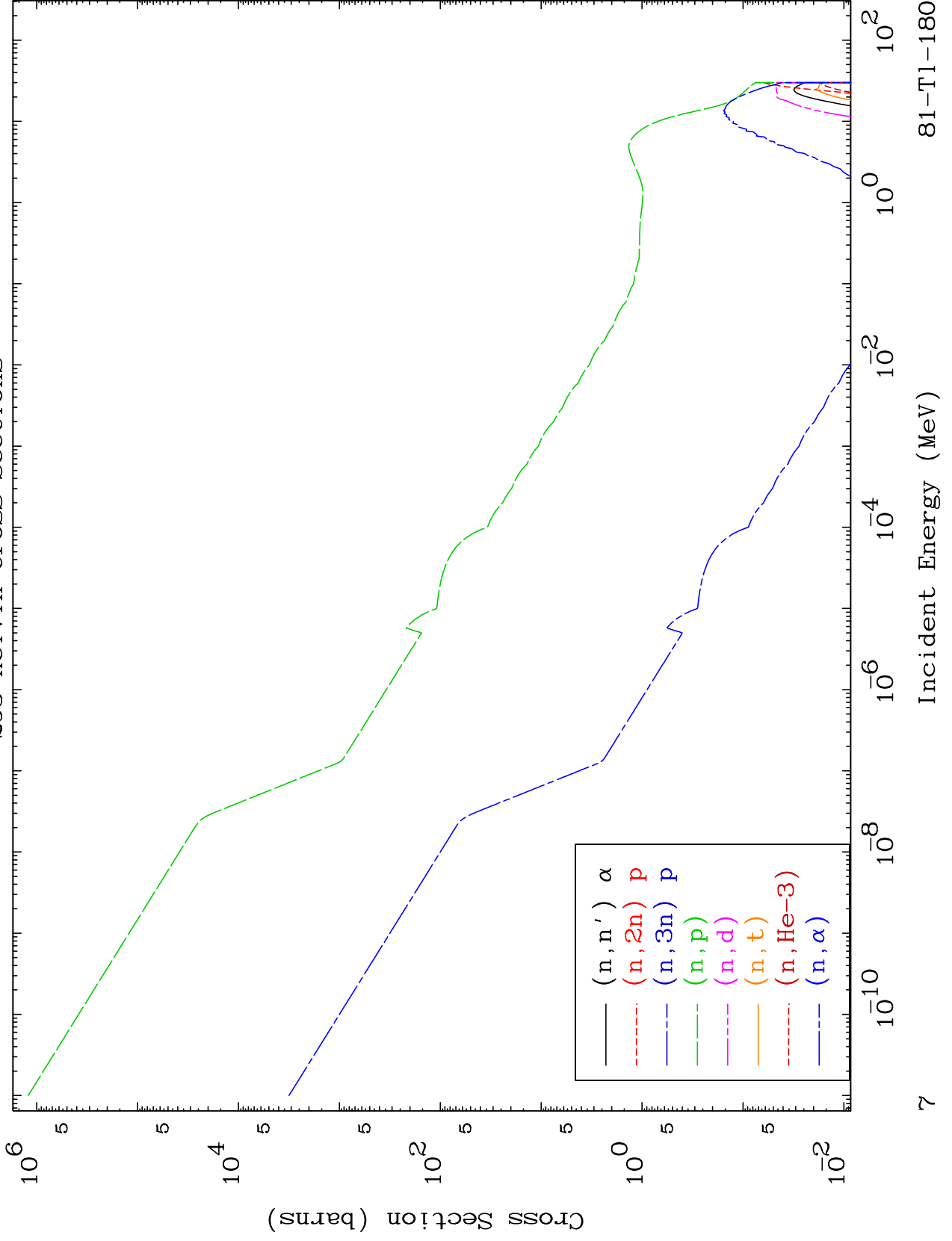
81-Tl-180



MAT 80566

Charged Particle
293 Kelvin Cross Sections

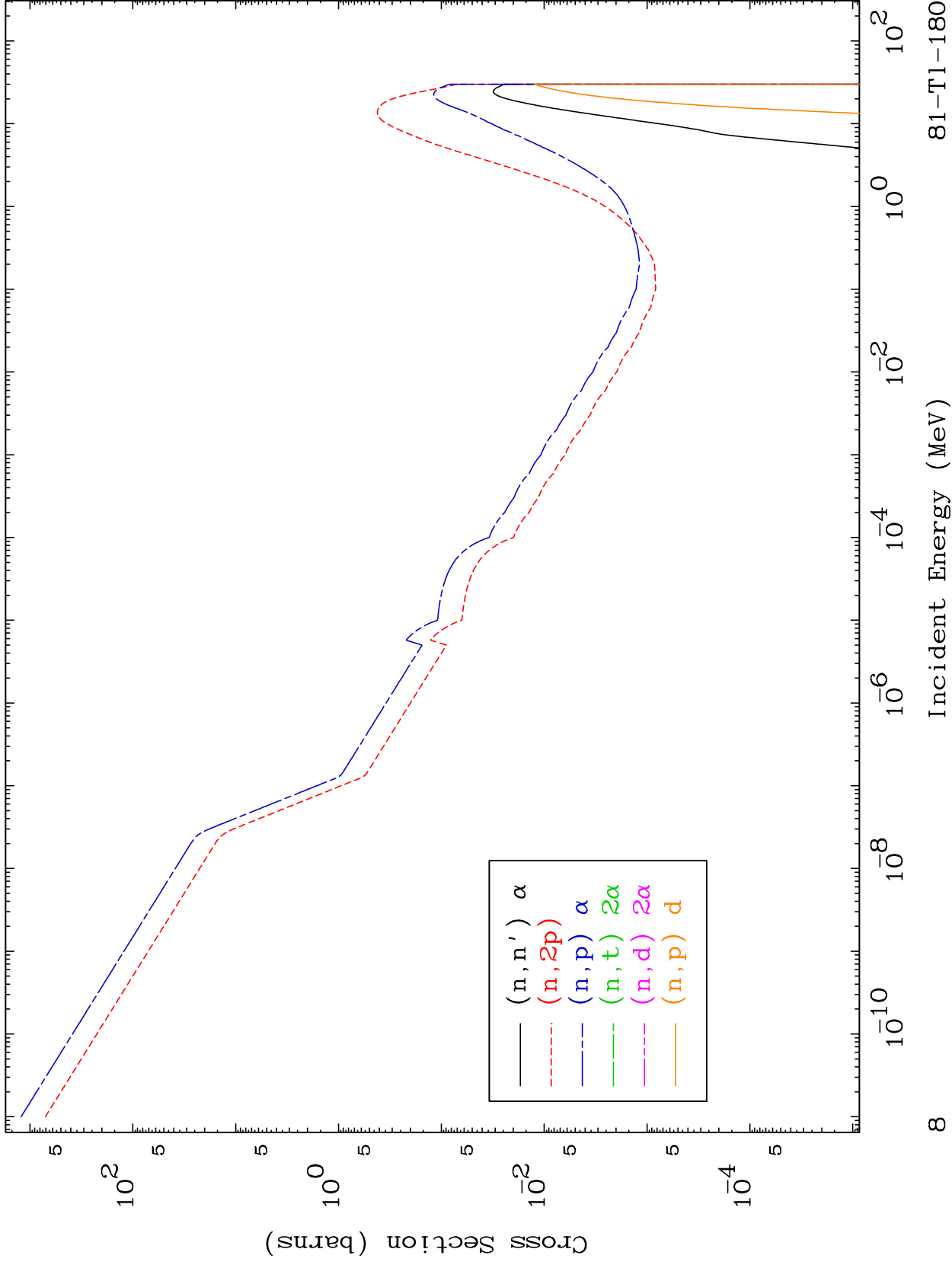
81-Tl-180



MAT 8056

Charged Particle
293 Kelvin Cross Sections

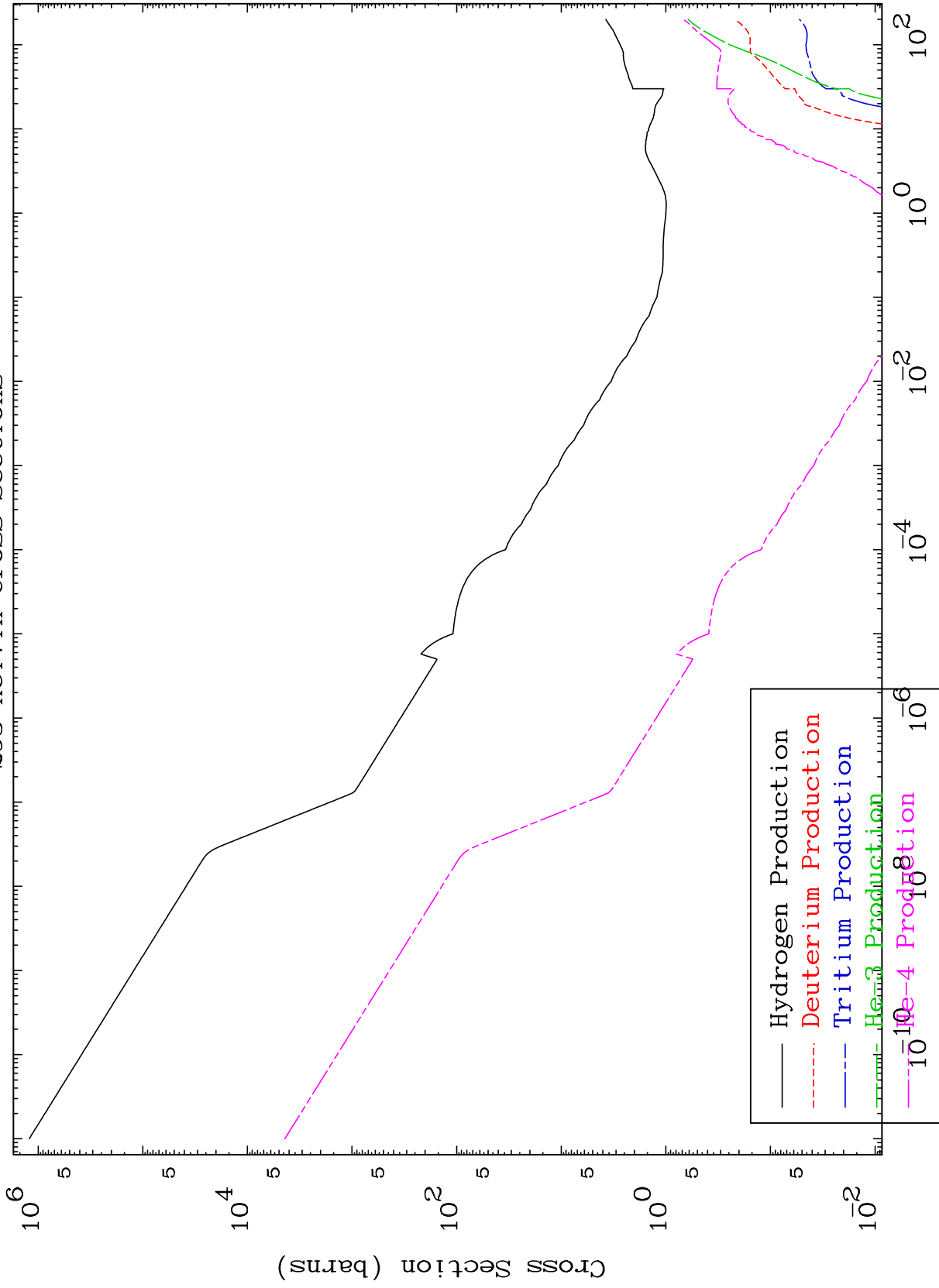
81-Tl-180



MAT 8056

Particle Production
293 Kelvin Cross Sections

81-T1-180



9

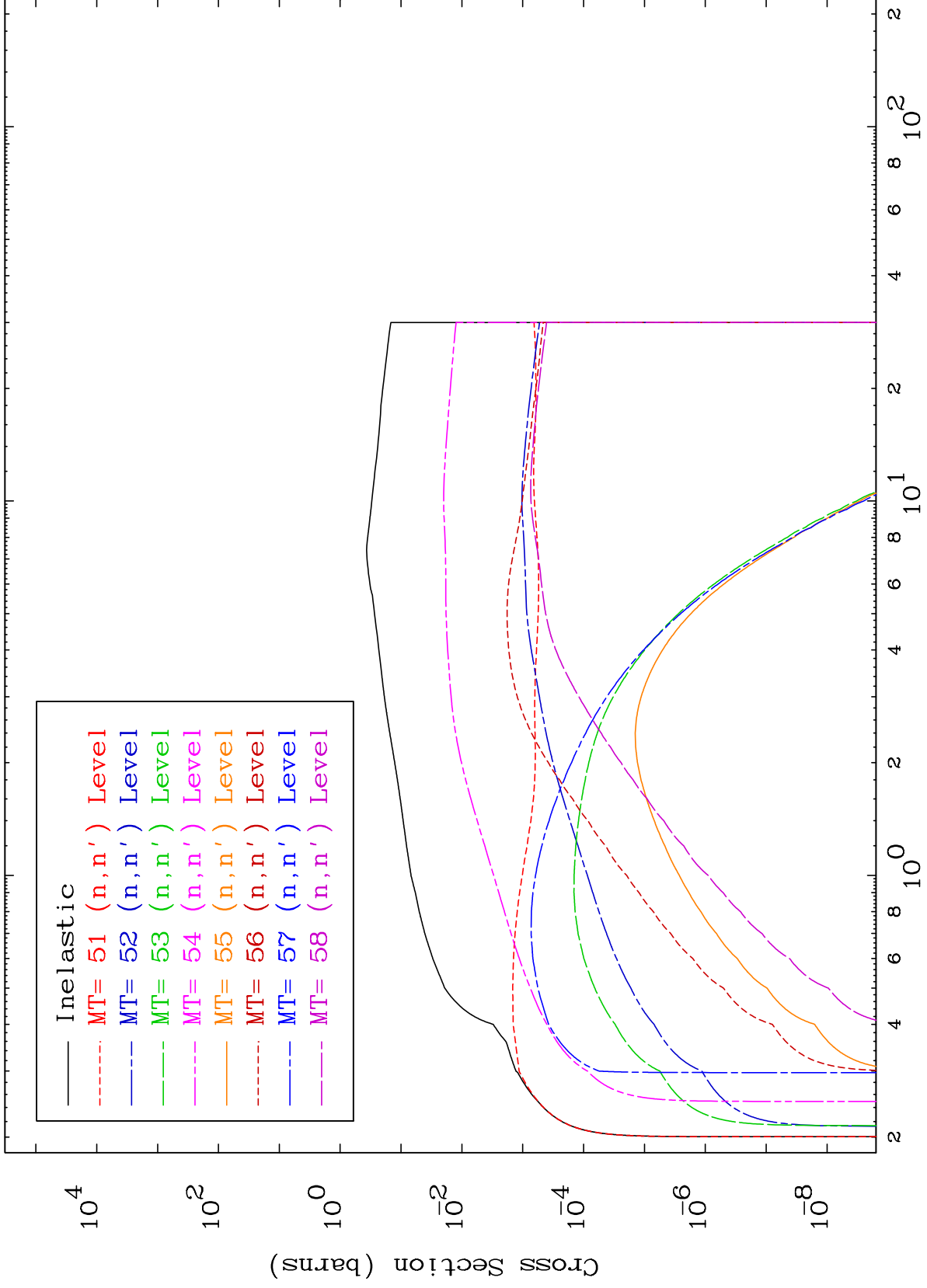
Incident Energy (MeV)

81-T1-180

MAT 80566

293 (n,n') Levels
Kelvin Cross Sections

81-Tl-180



10

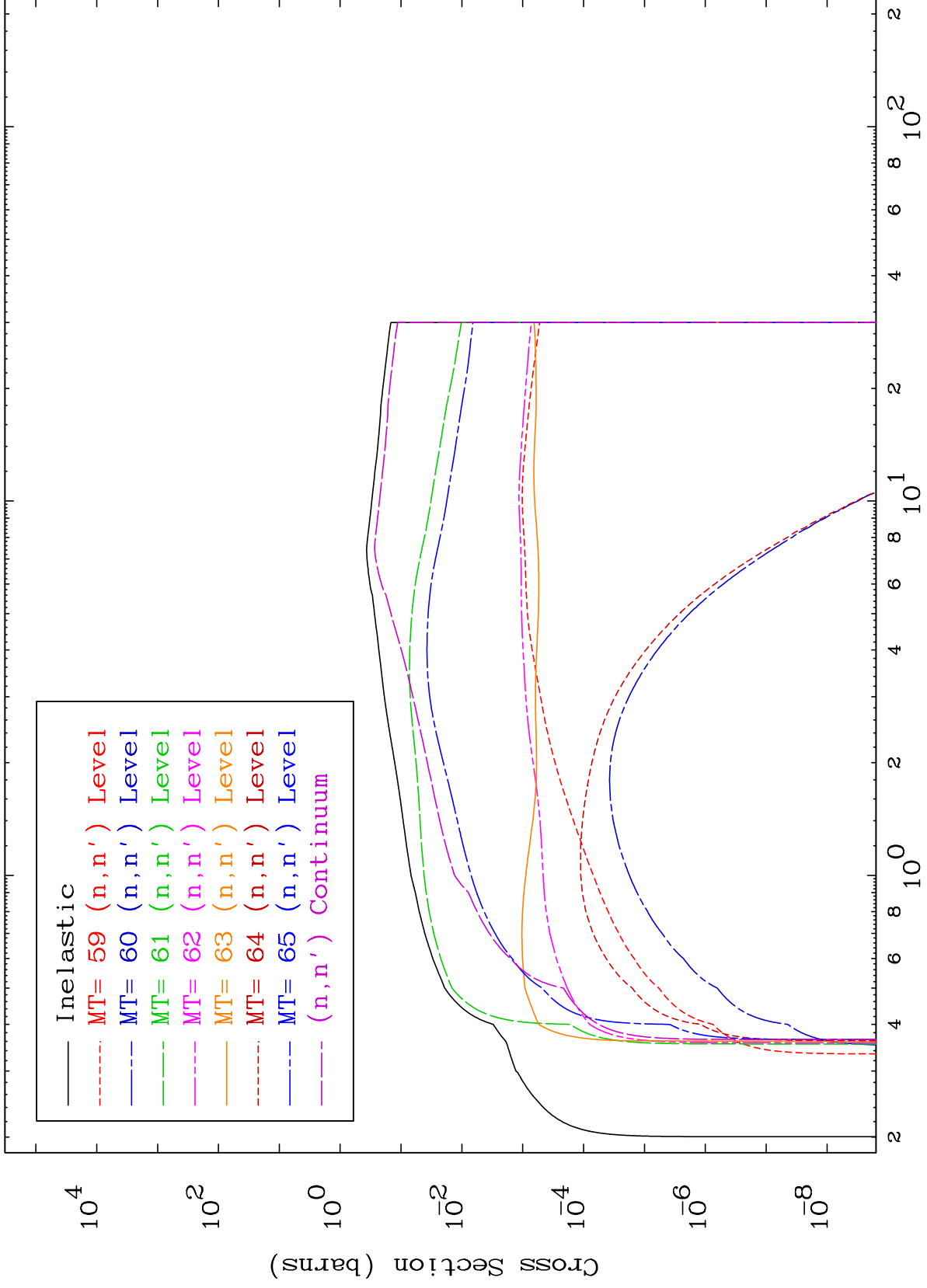
Incident Energy (MeV)

81-Tl-180

MAT 80566

(n,n') Levels
293 Kelvin Cross Sections

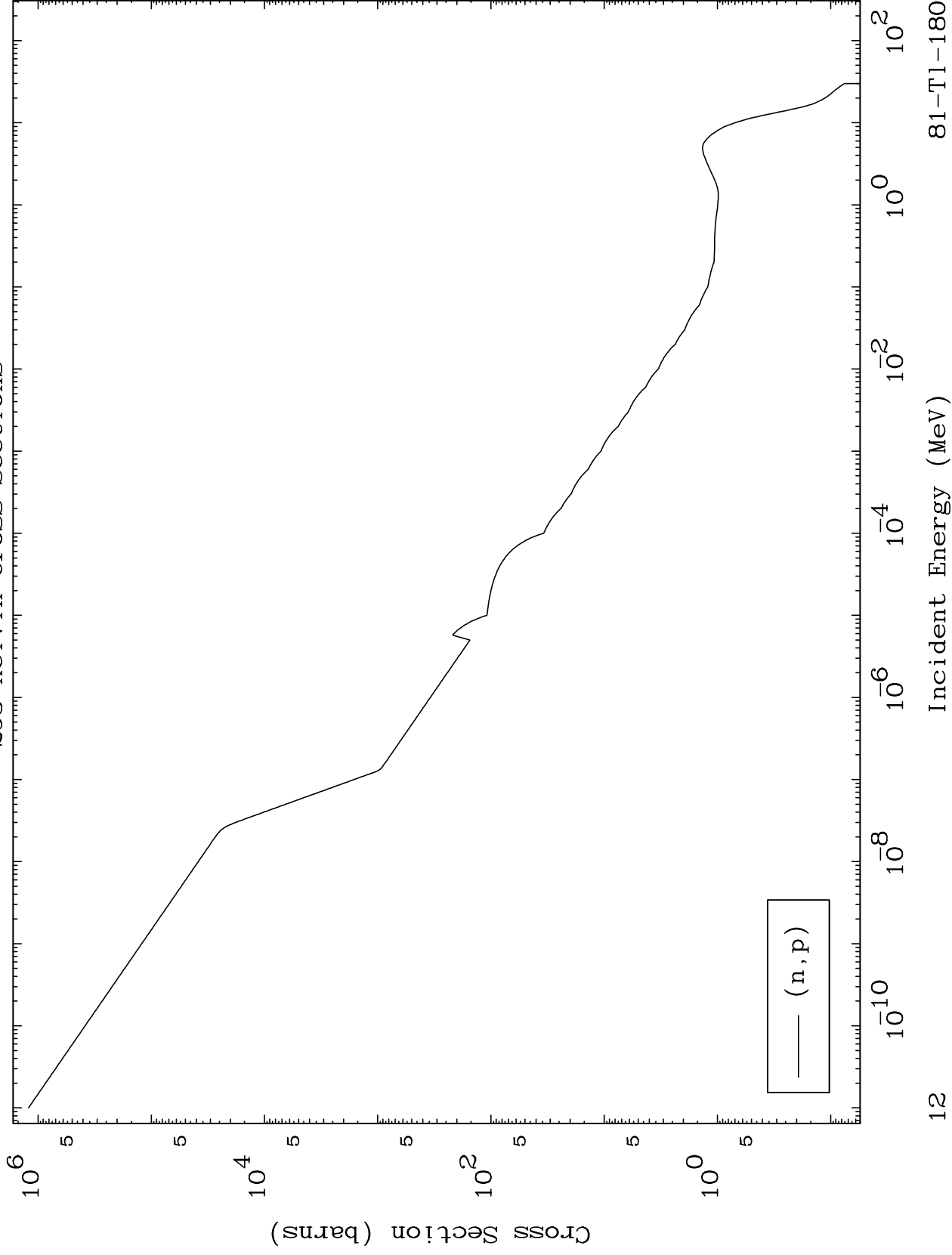
81-Tl-180



MAT 8056

(n,p) Levels
293 Kelvin Cross Sections

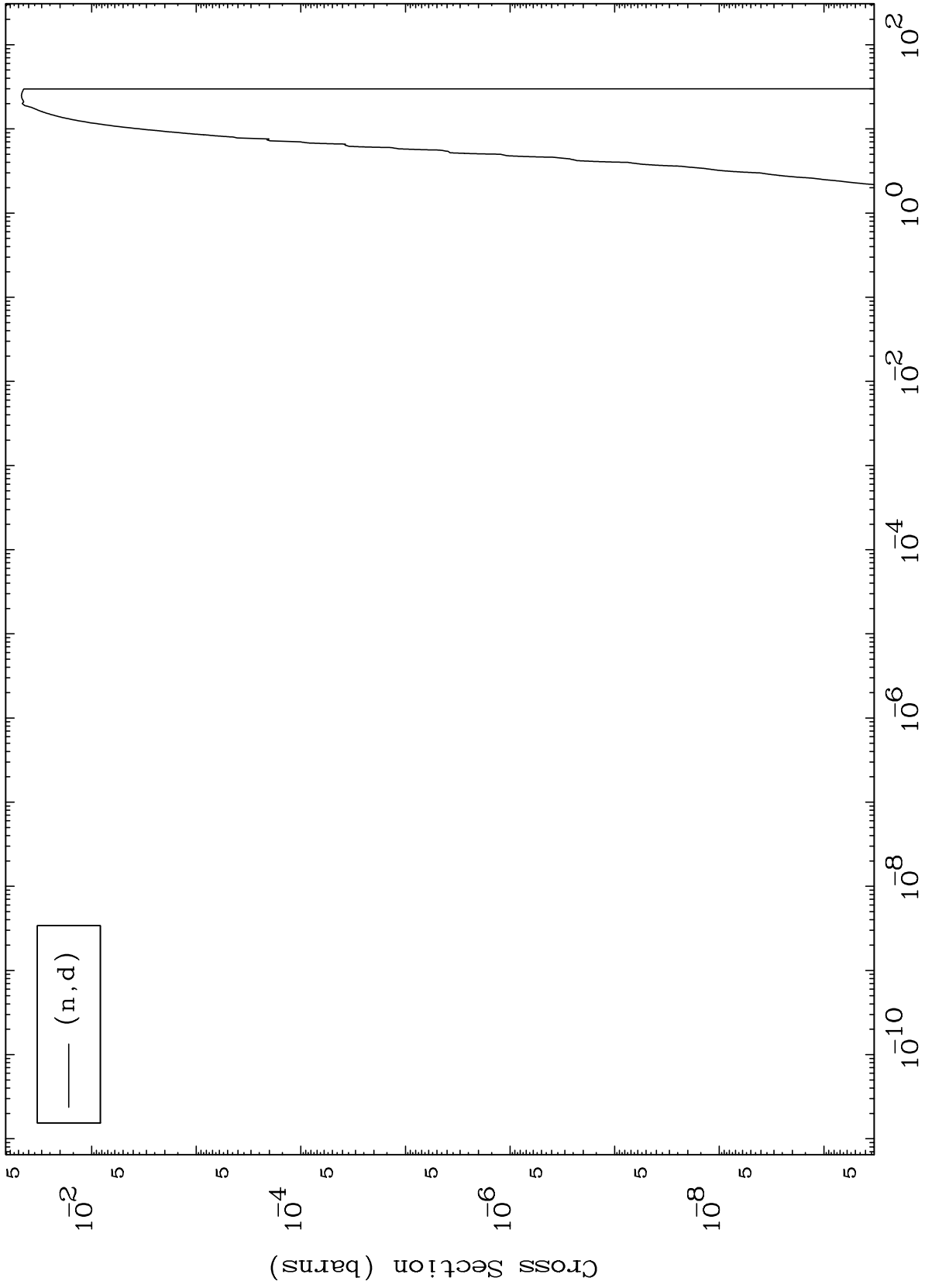
81-Tl-180



MAT 8056

(n,d) Levels
293 Kelvin Cross Sections

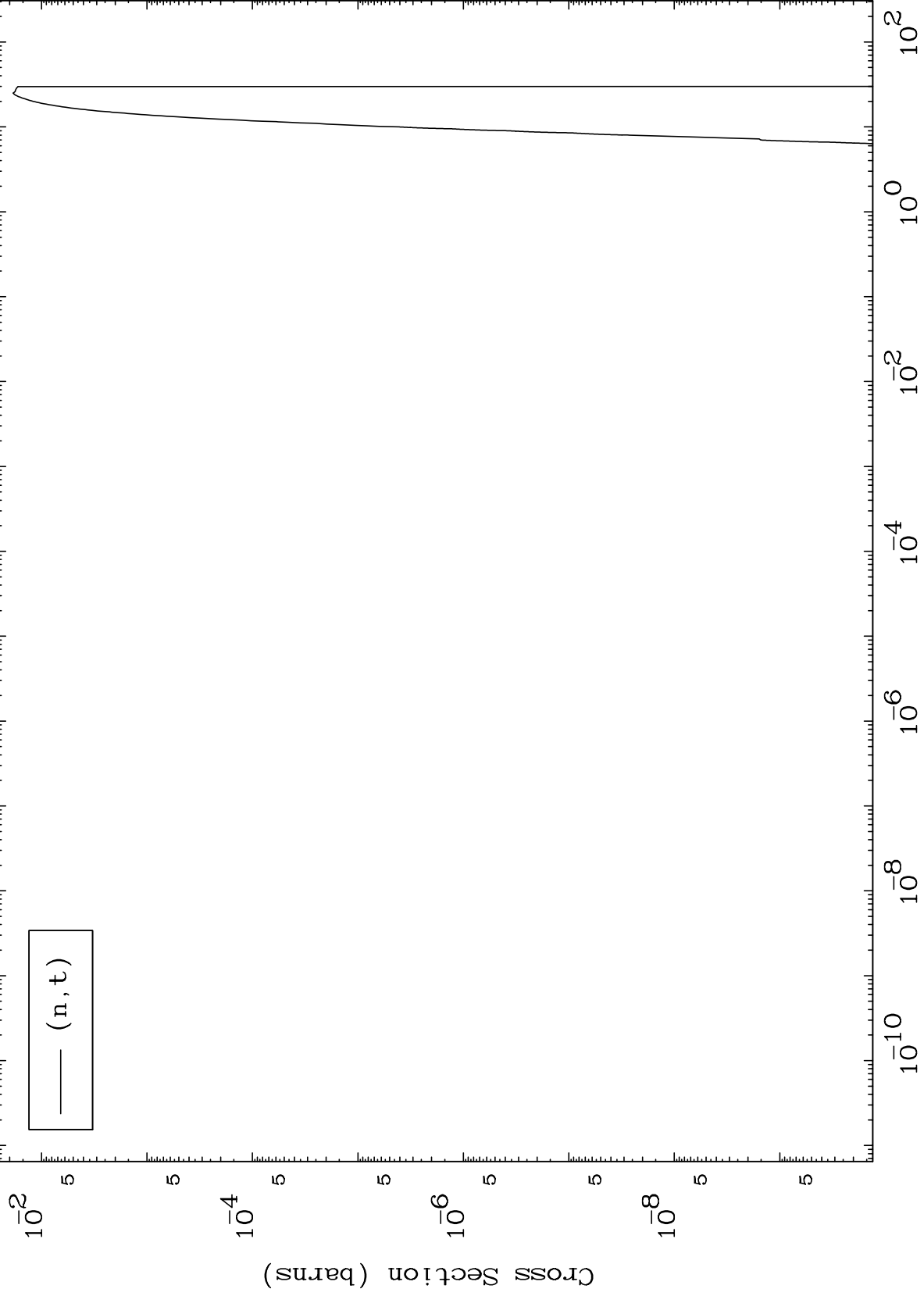
81-Tl-180



MAT 8056

(n,t) Levels
293 Kelvin Cross Sections

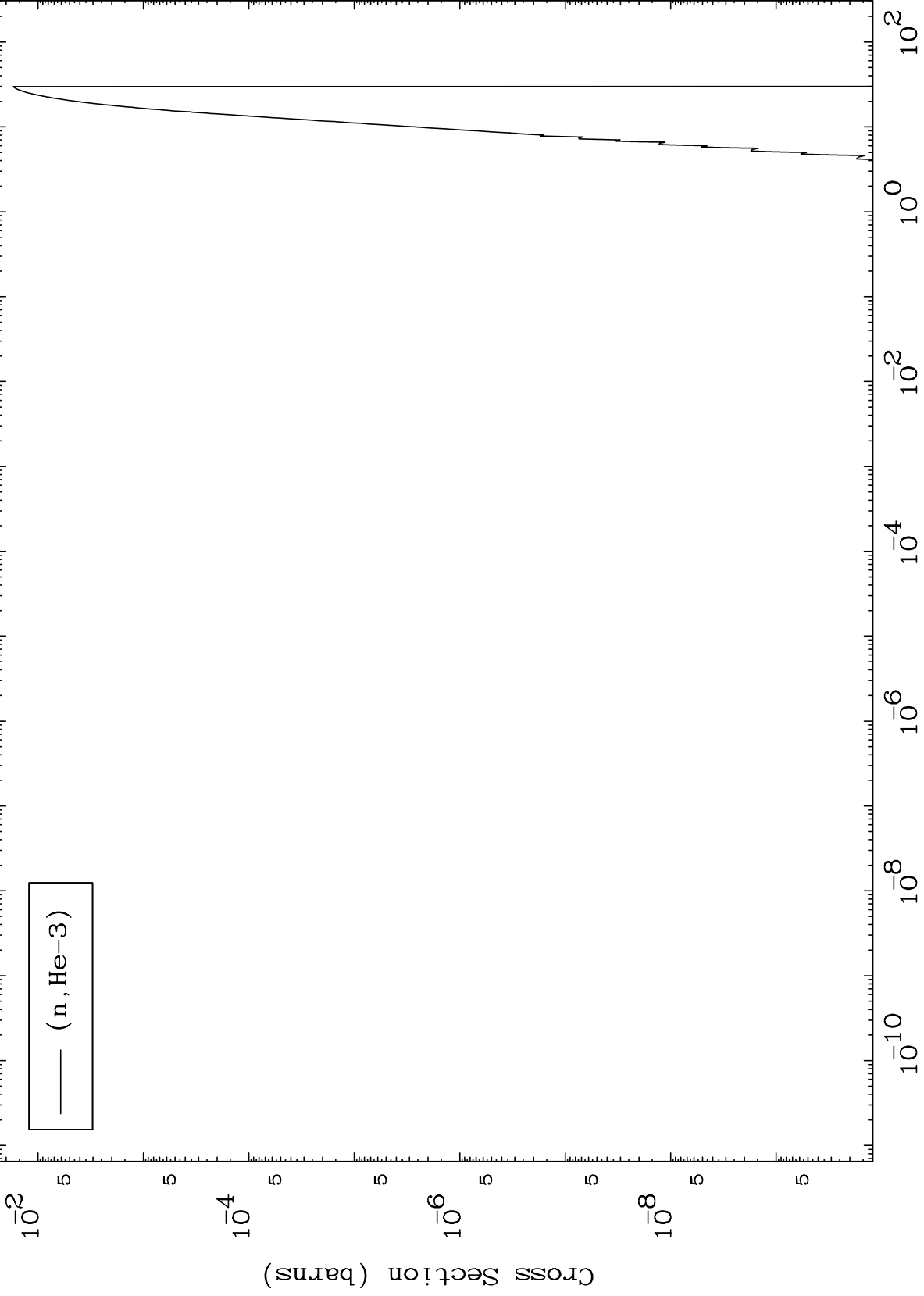
81-Tl-180



MAT 8056

(n,He3) Levels
293 Kelvin Cross Sections

81-Tl-180



15

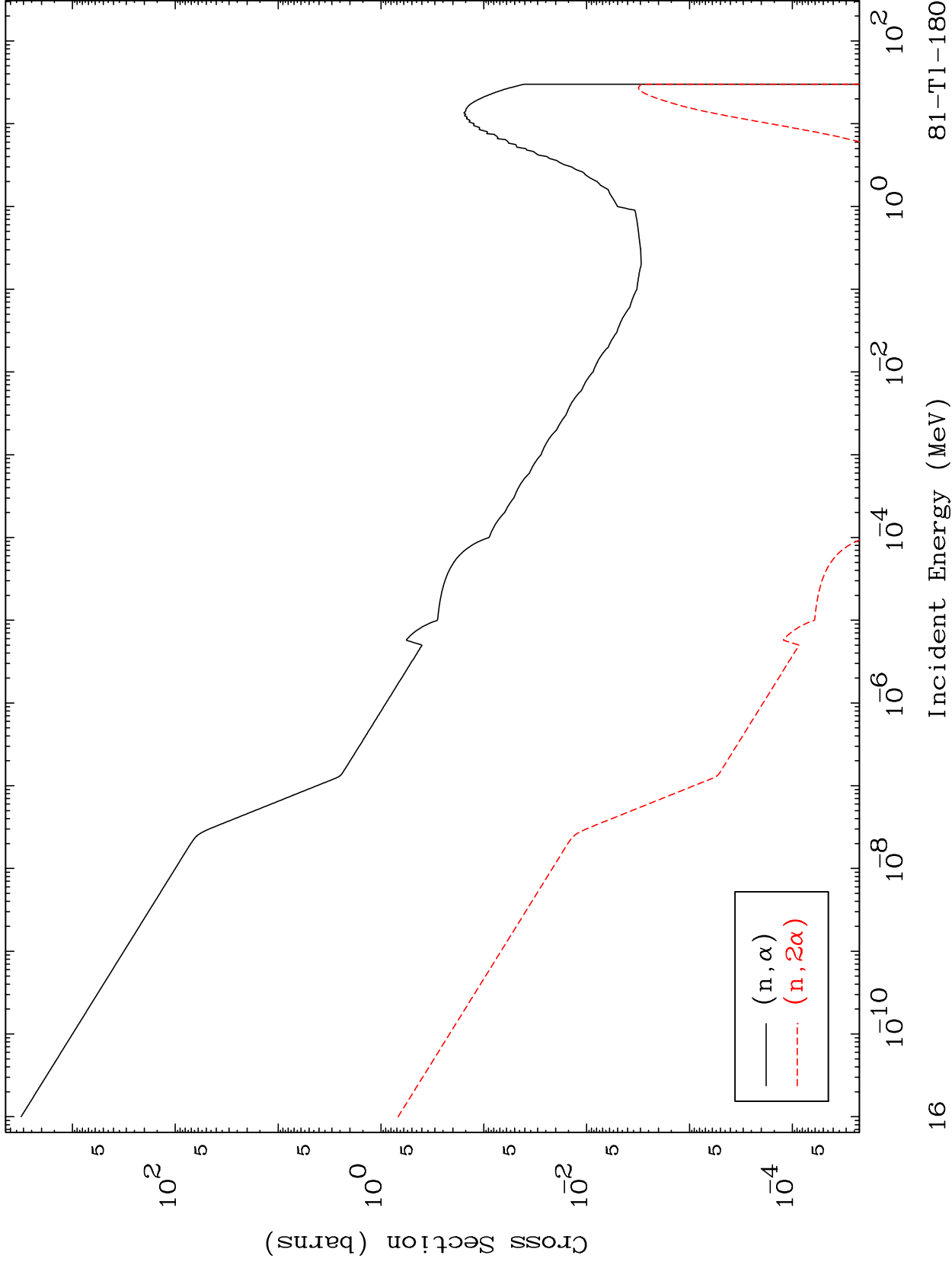
Incident Energy (MeV)

81-Tl-180

MAT 8056

(n,α) Levels
293 Kelvin Cross Sections

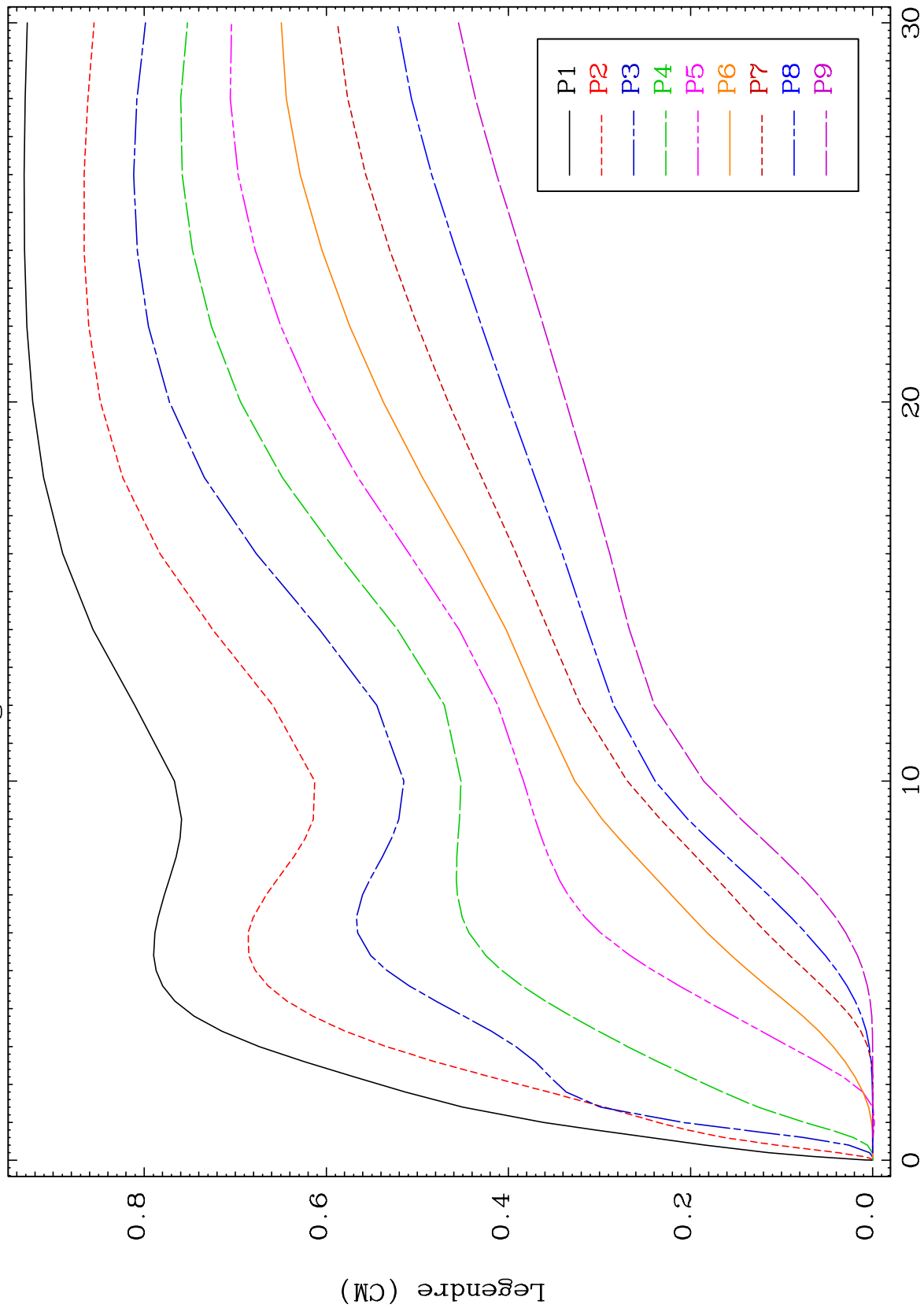
81-Tl-180



MAT 8056

Elastic Legendre Coefficients

81-Tl-180



17

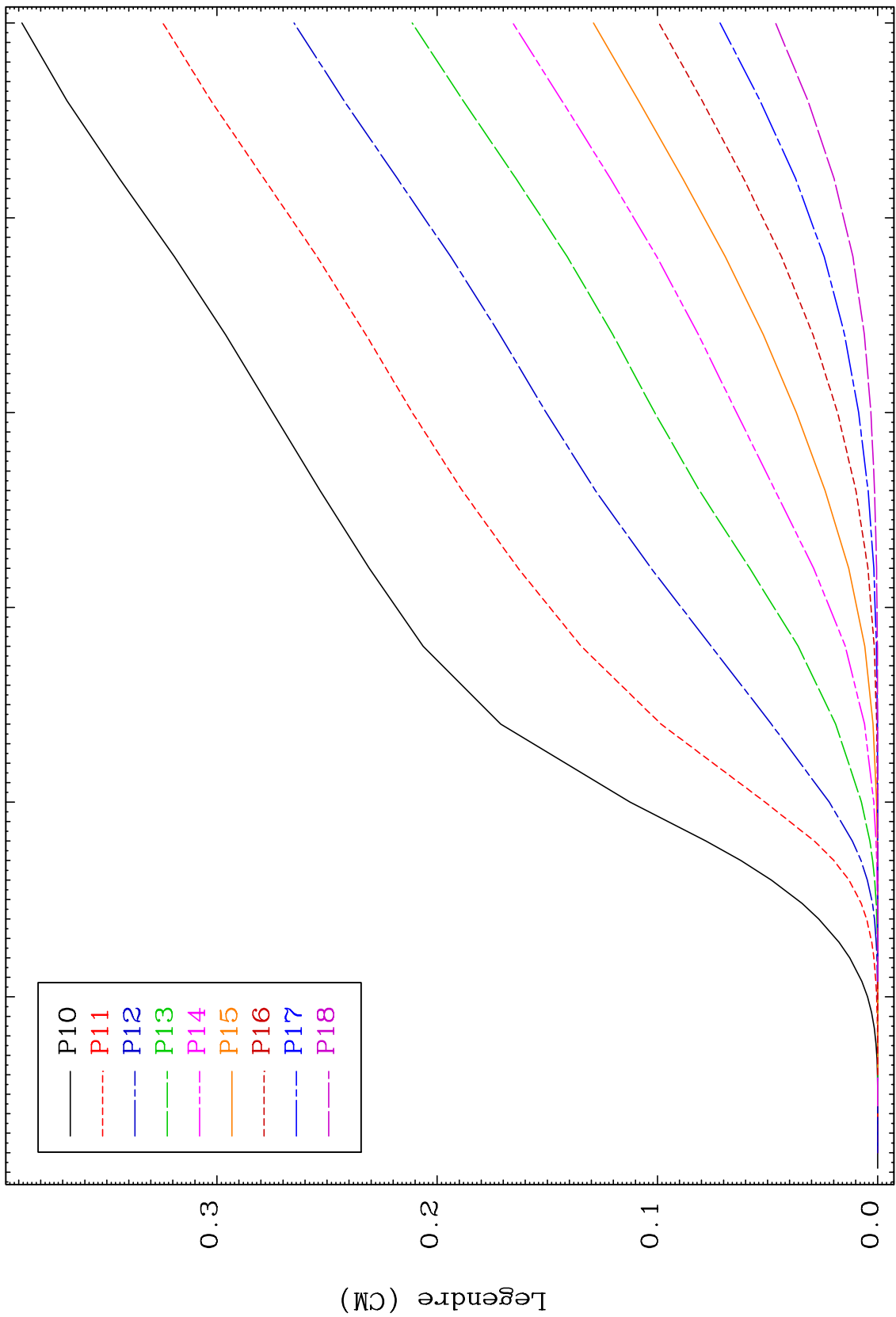
Incident Energy (MeV)

81-Tl-180

MAT 8056

Elastic Legendre Coefficients

81-Tl-180

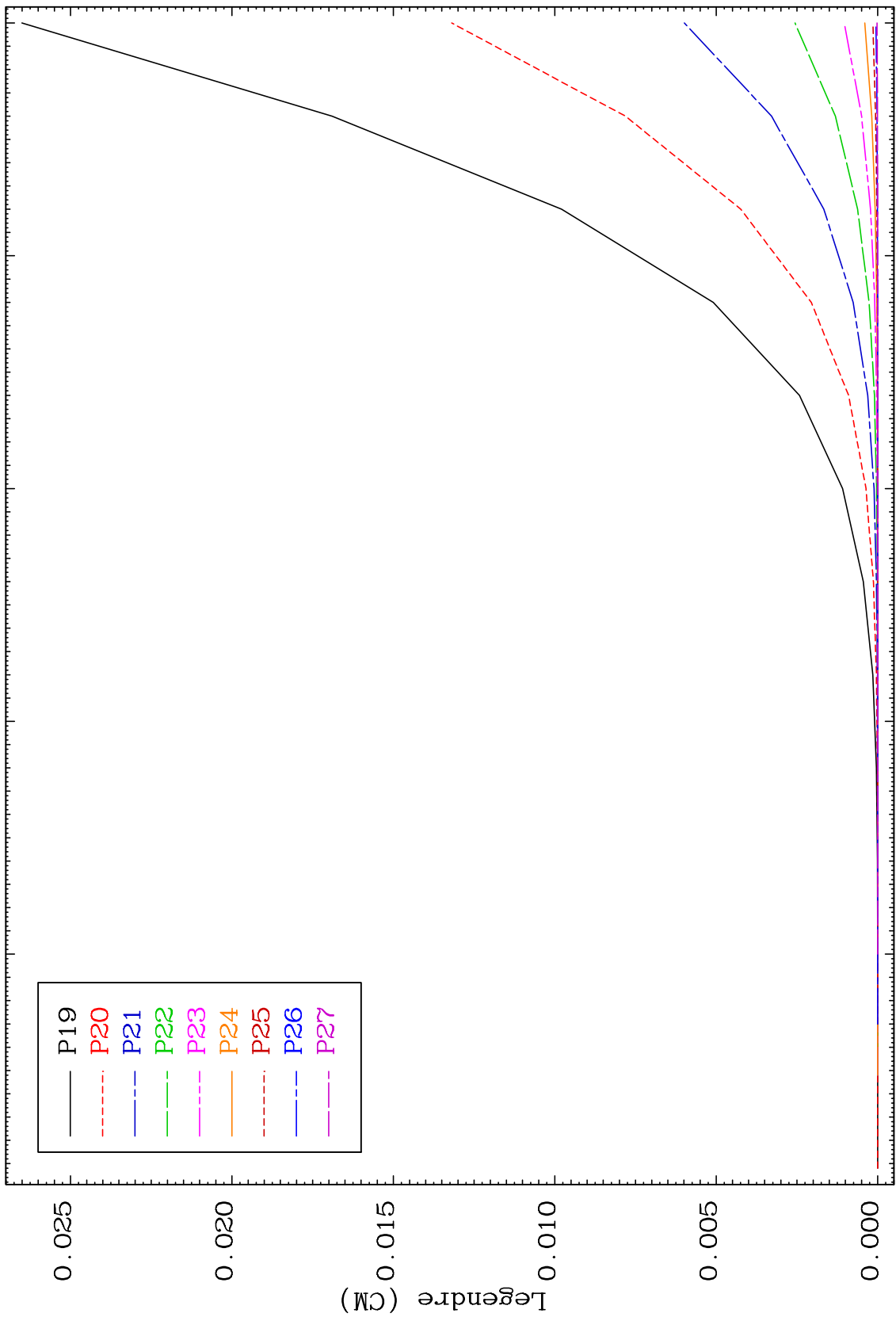


18

Incident Energy (MeV)

81-Tl-180

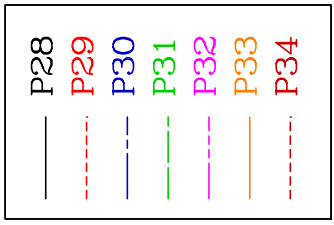
Elastic Legendre Coefficients



MAT 8056

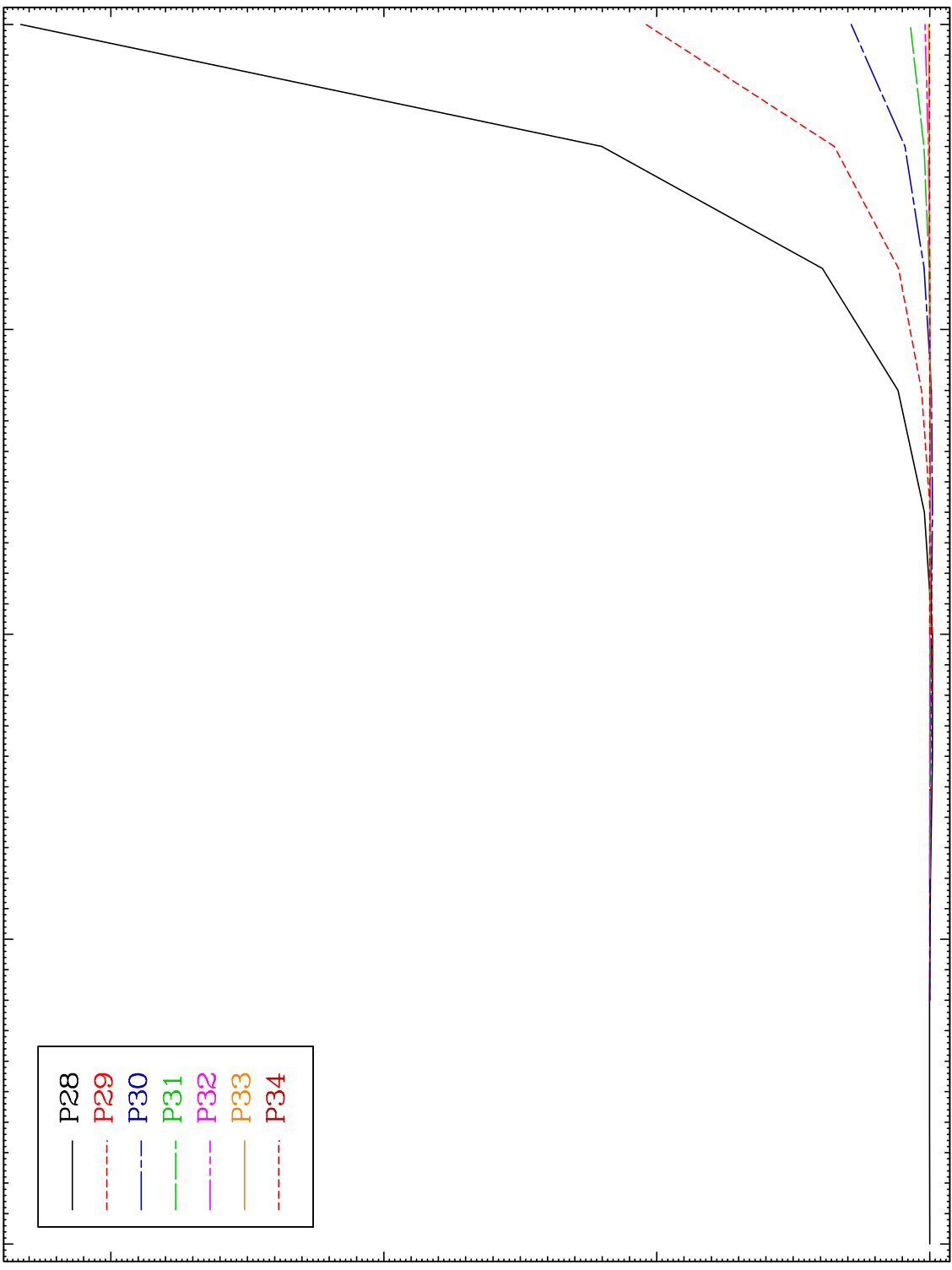
Elastic
Legendre Coefficients

81-T1-180



$\times 10^{-6}$

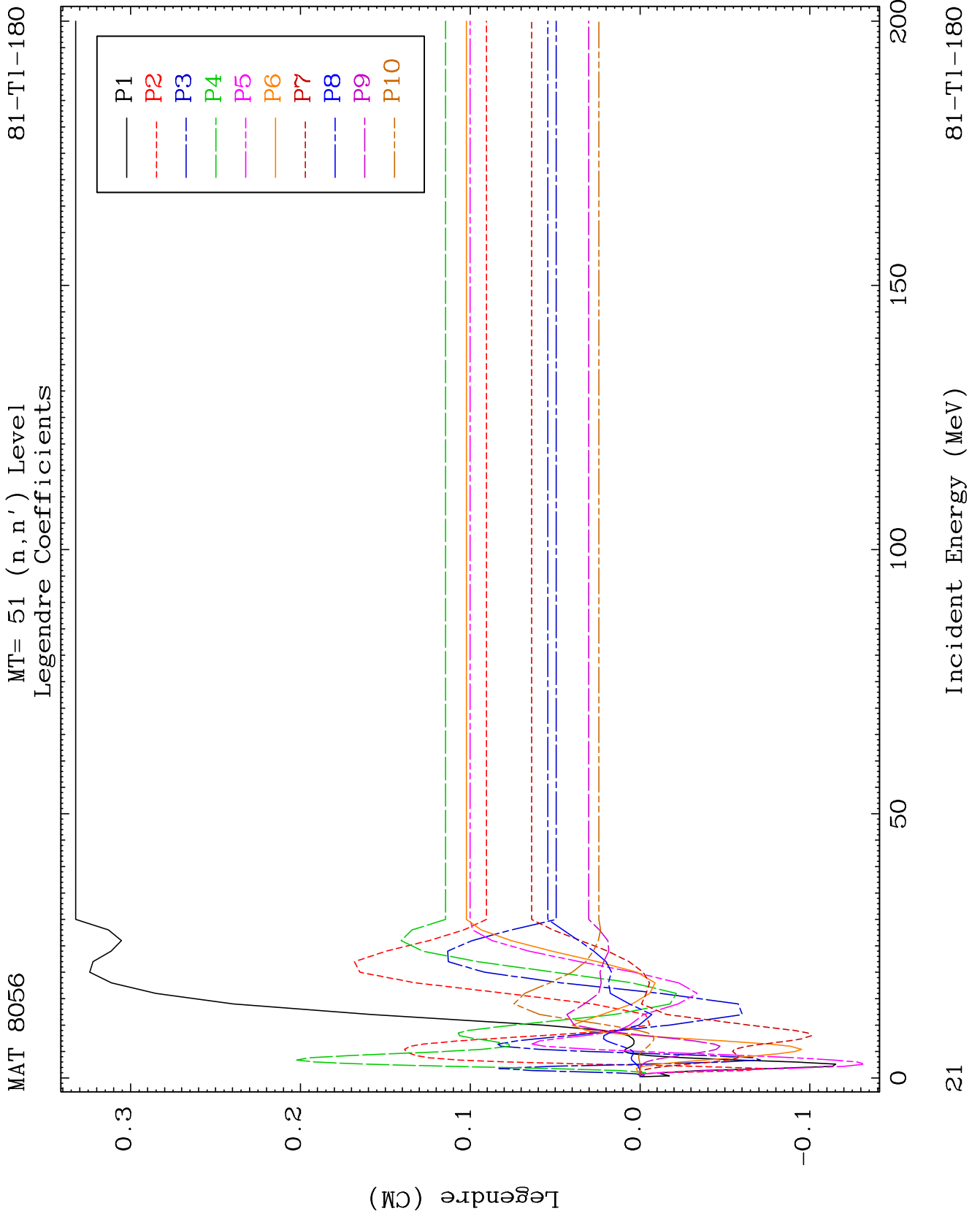
Legendre (CM)



20

Incident Energy (MeV)

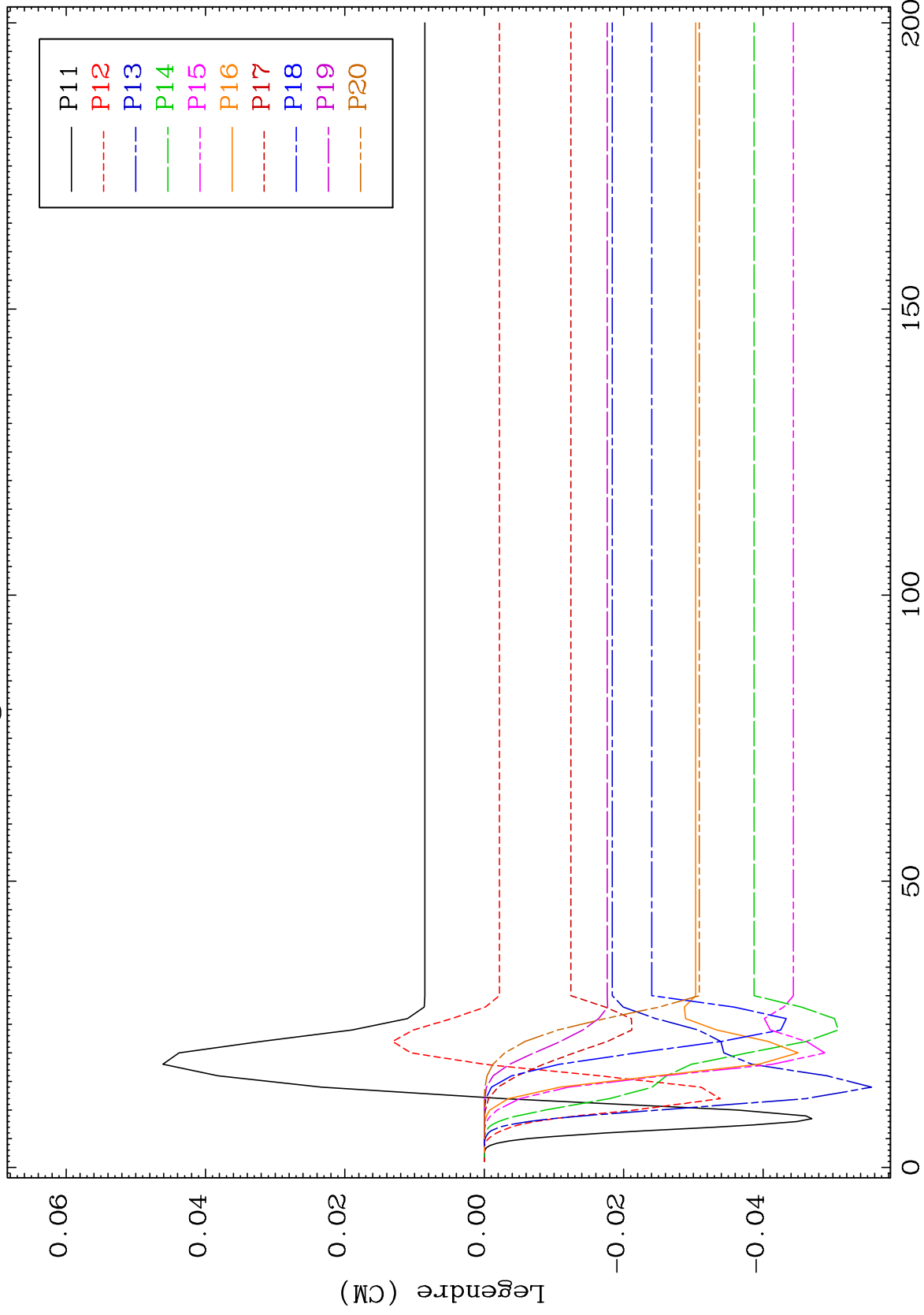
81-T1-180



MAT 8056

MT= 51 (n,n') Level
Legendre Coefficients

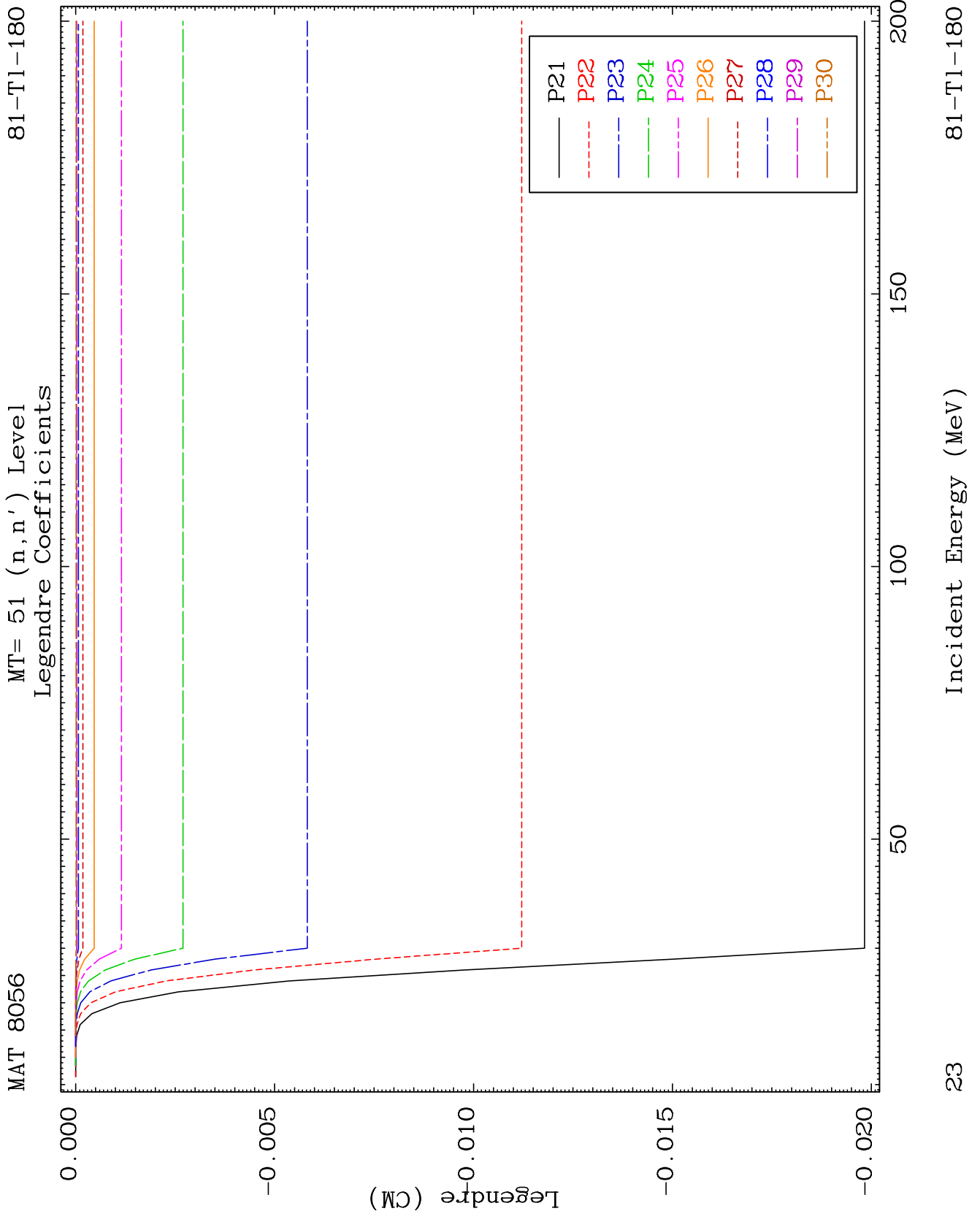
81-Tl-180

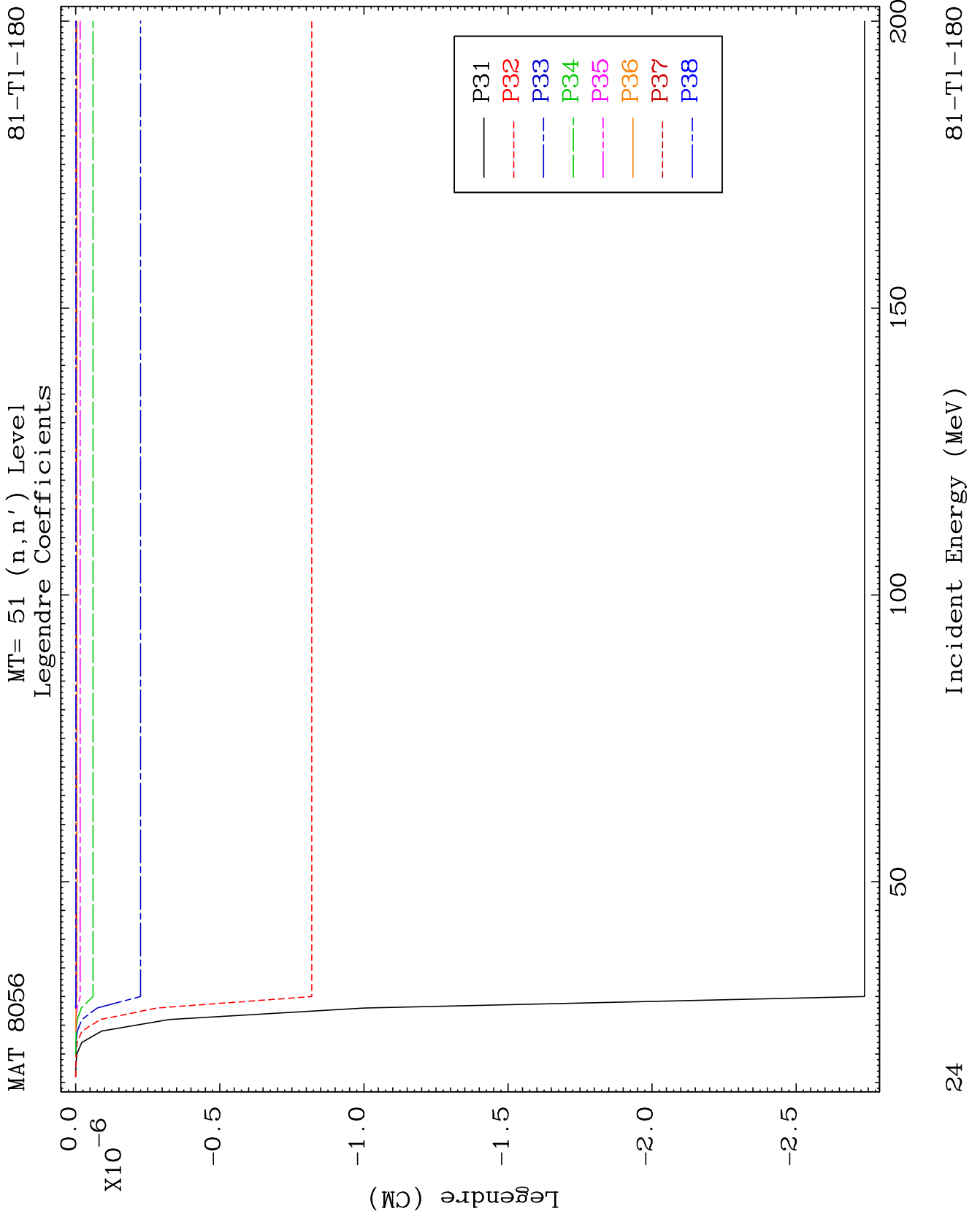


22

Incident Energy (MeV)

81-Tl-180

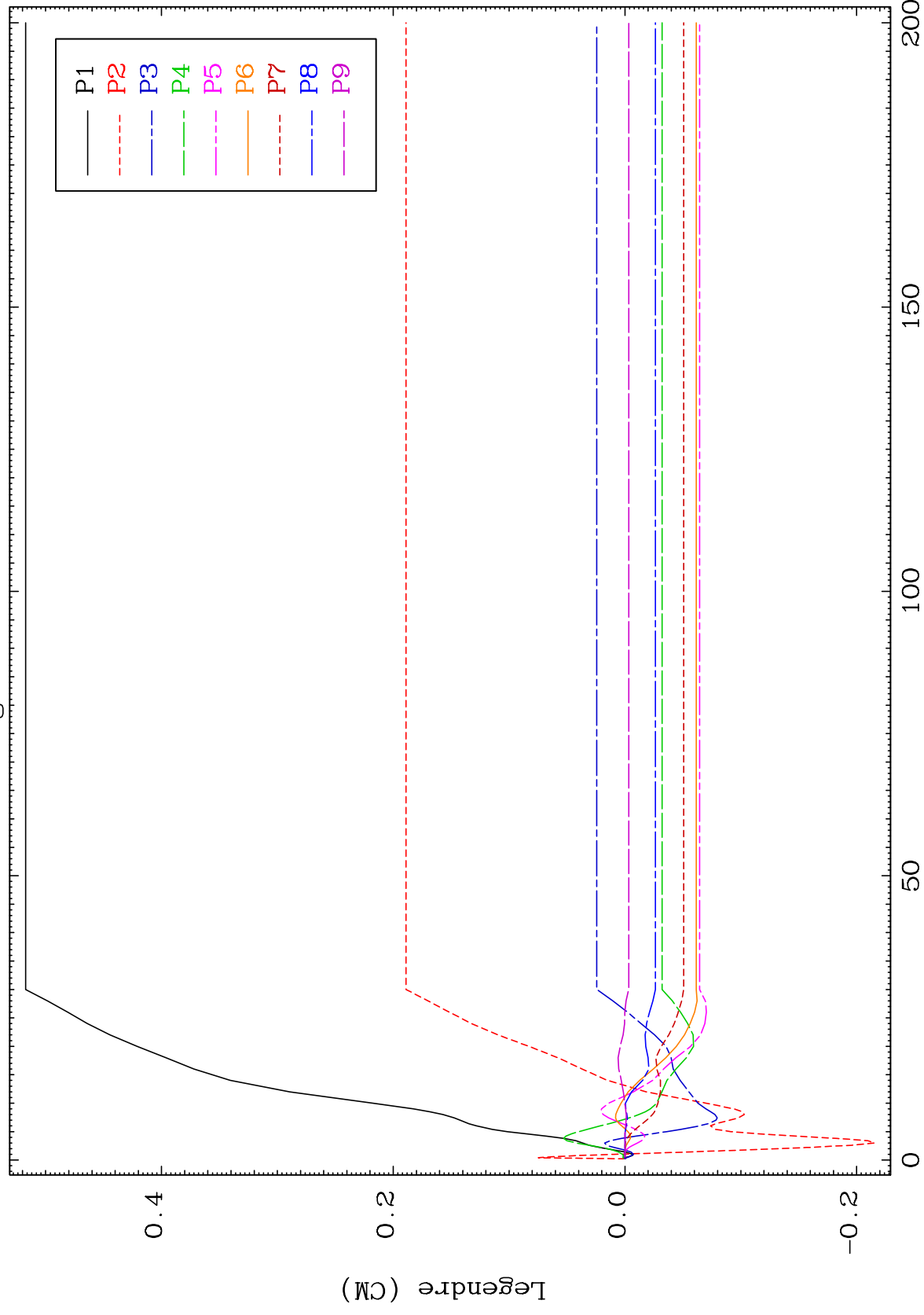




MAT 8056

MT= 52 (n,n') Level
Legendre Coefficients

81-T1-180



81-T1-180

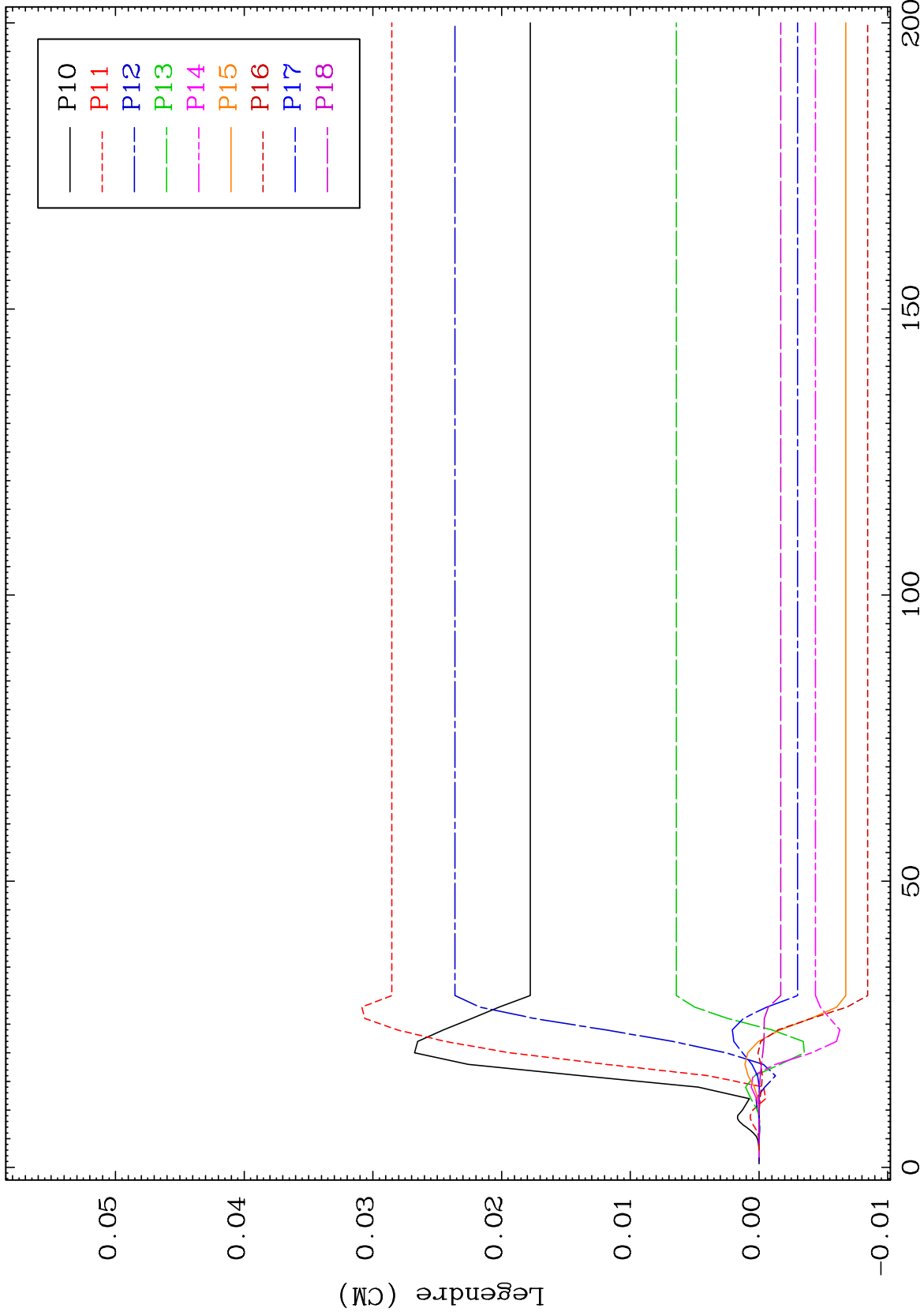
Incident Energy (MeV)

25

MAT 8056

MT= 52 (n,n') Level
Legendre Coefficients

81-Tl-180



26

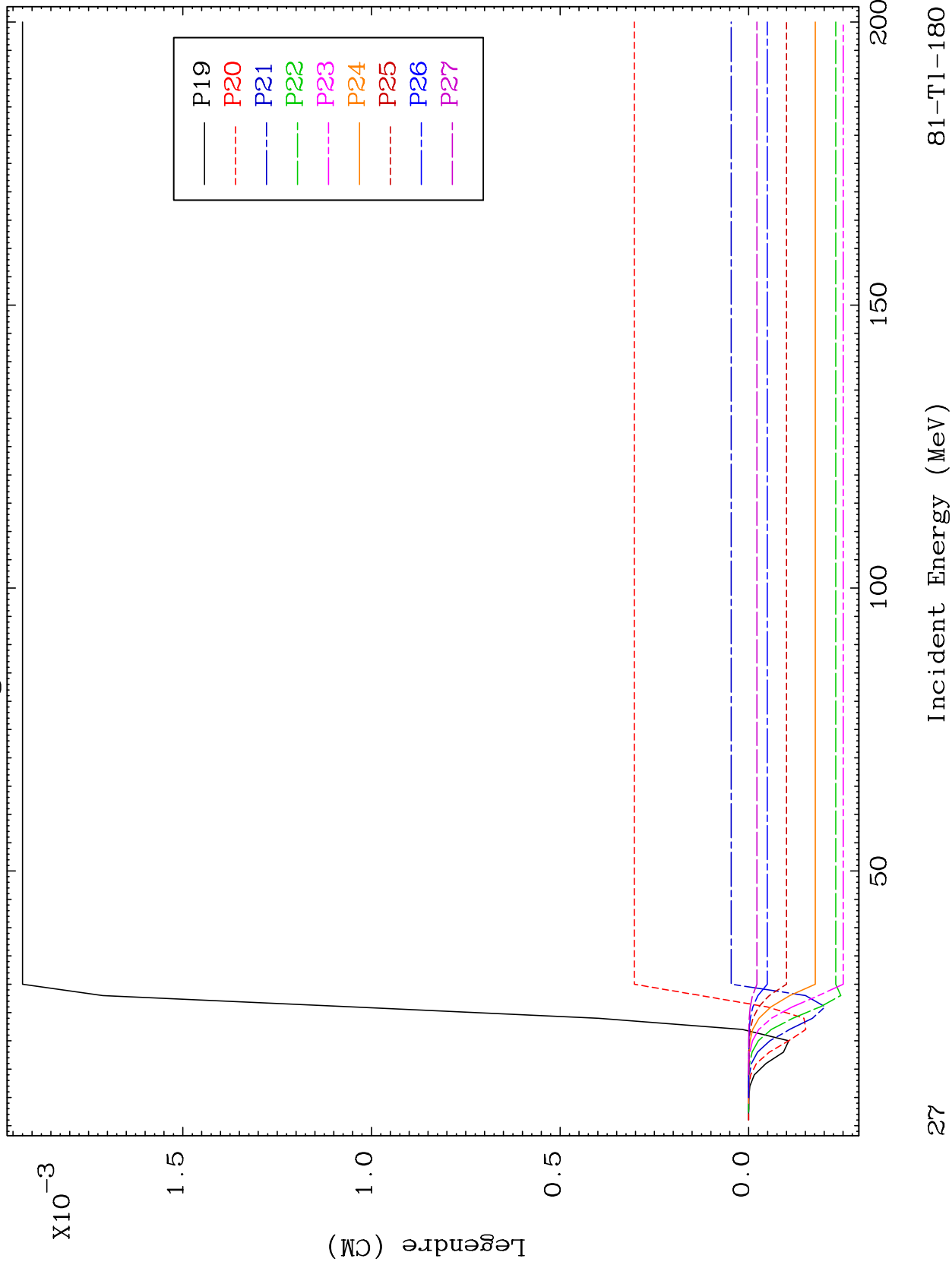
Incident Energy (MeV)

81-Tl-180

MAT 8056

MT= 52 (n,n') Level
Legendre Coefficients

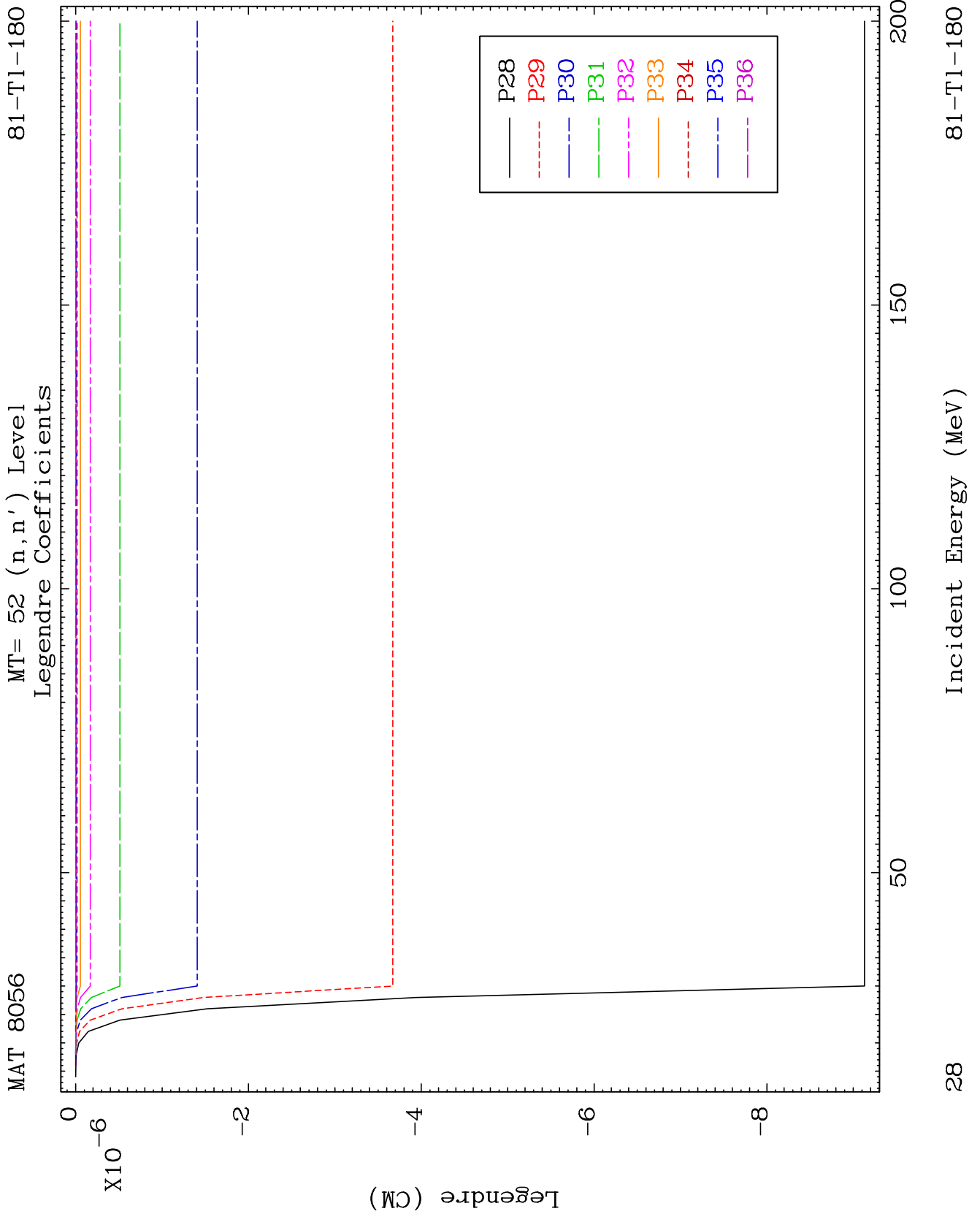
81-T1-180



27

Incident Energy (MeV)

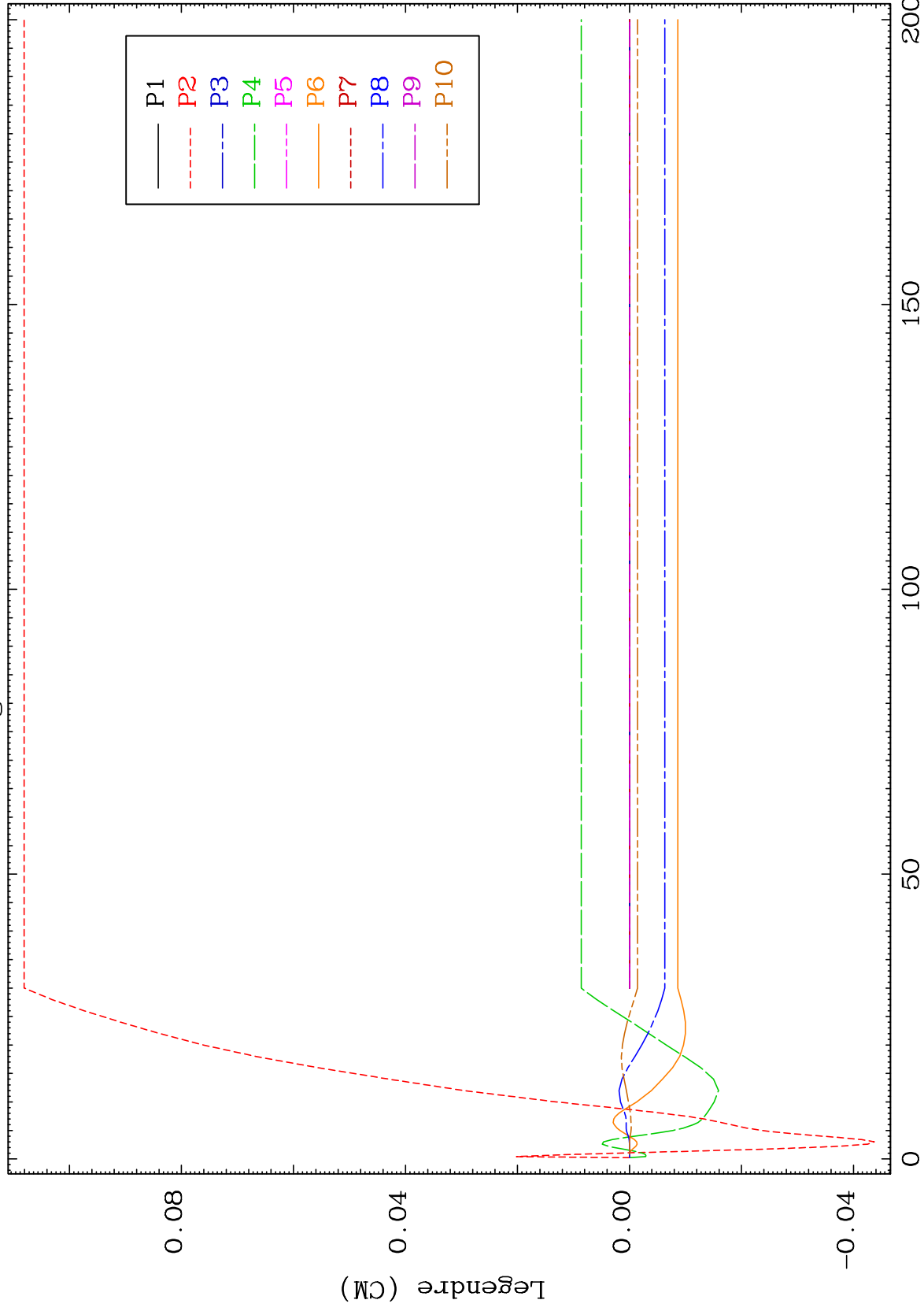
81-T1-180



MAT 8056

MT= 53 (n,n') Level
Legendre Coefficients

81-T1-180



81-T1-180

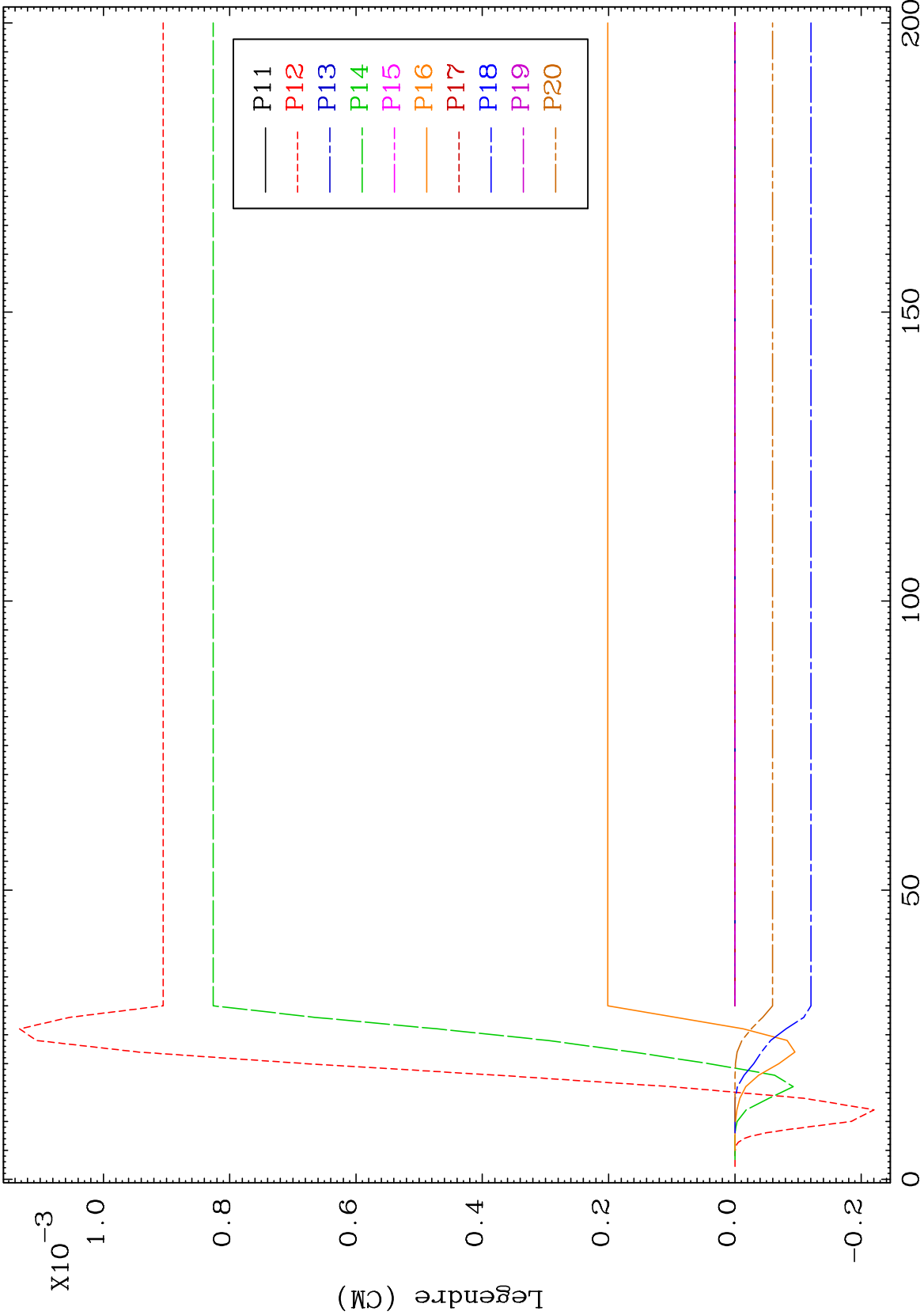
Incident Energy (MeV)

29

MAT 8056

MT= 53 (n,n') Level
Legendre Coefficients

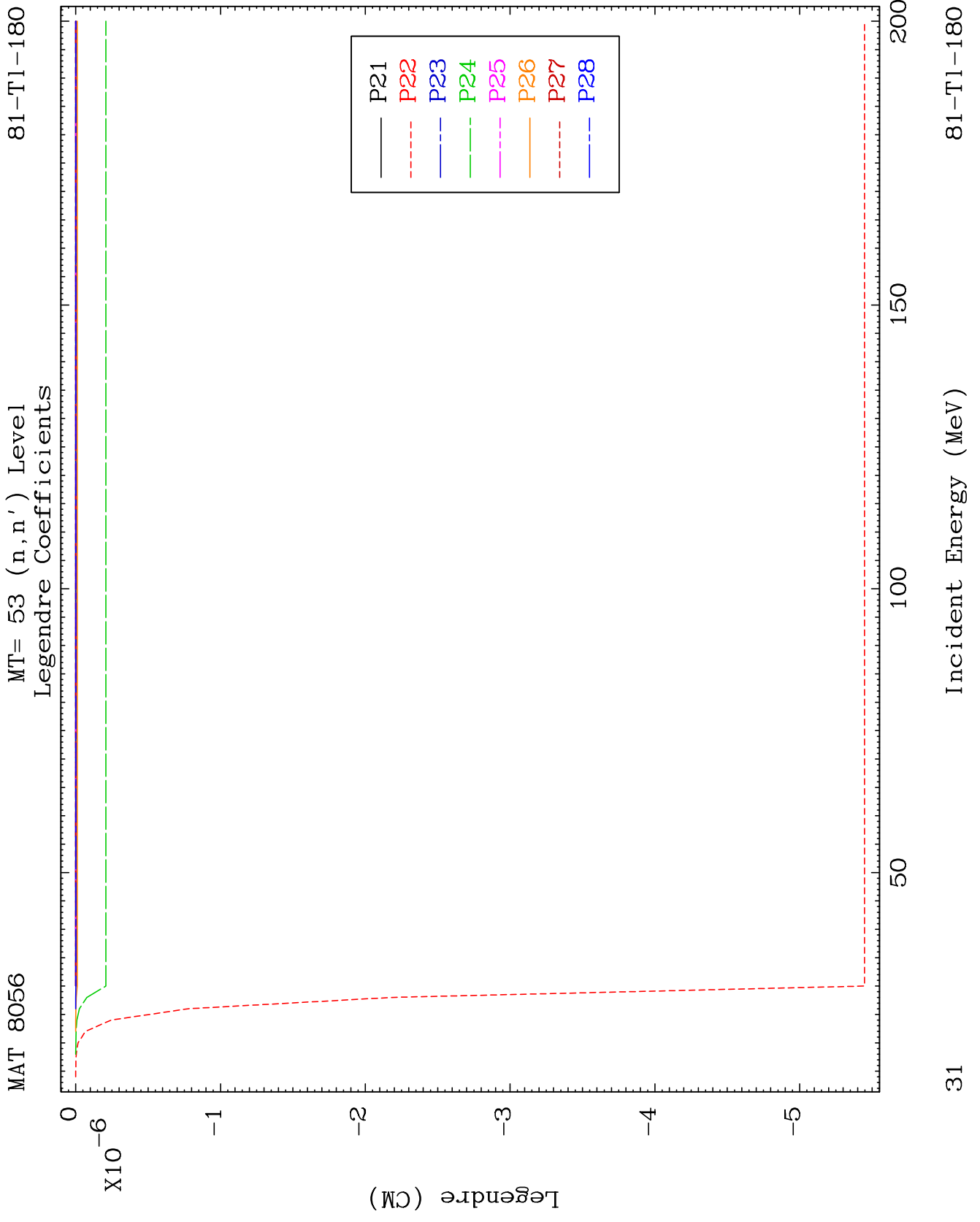
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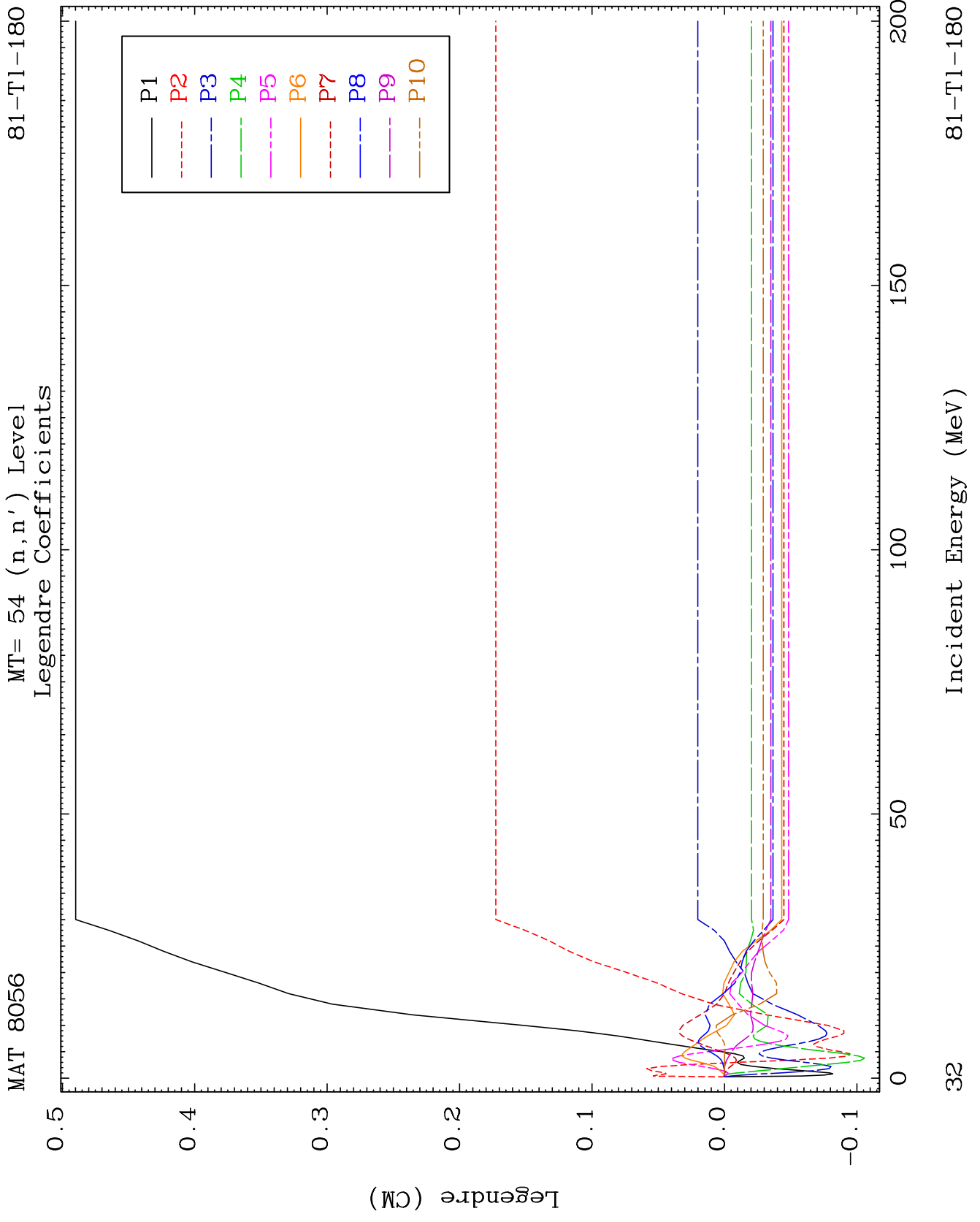


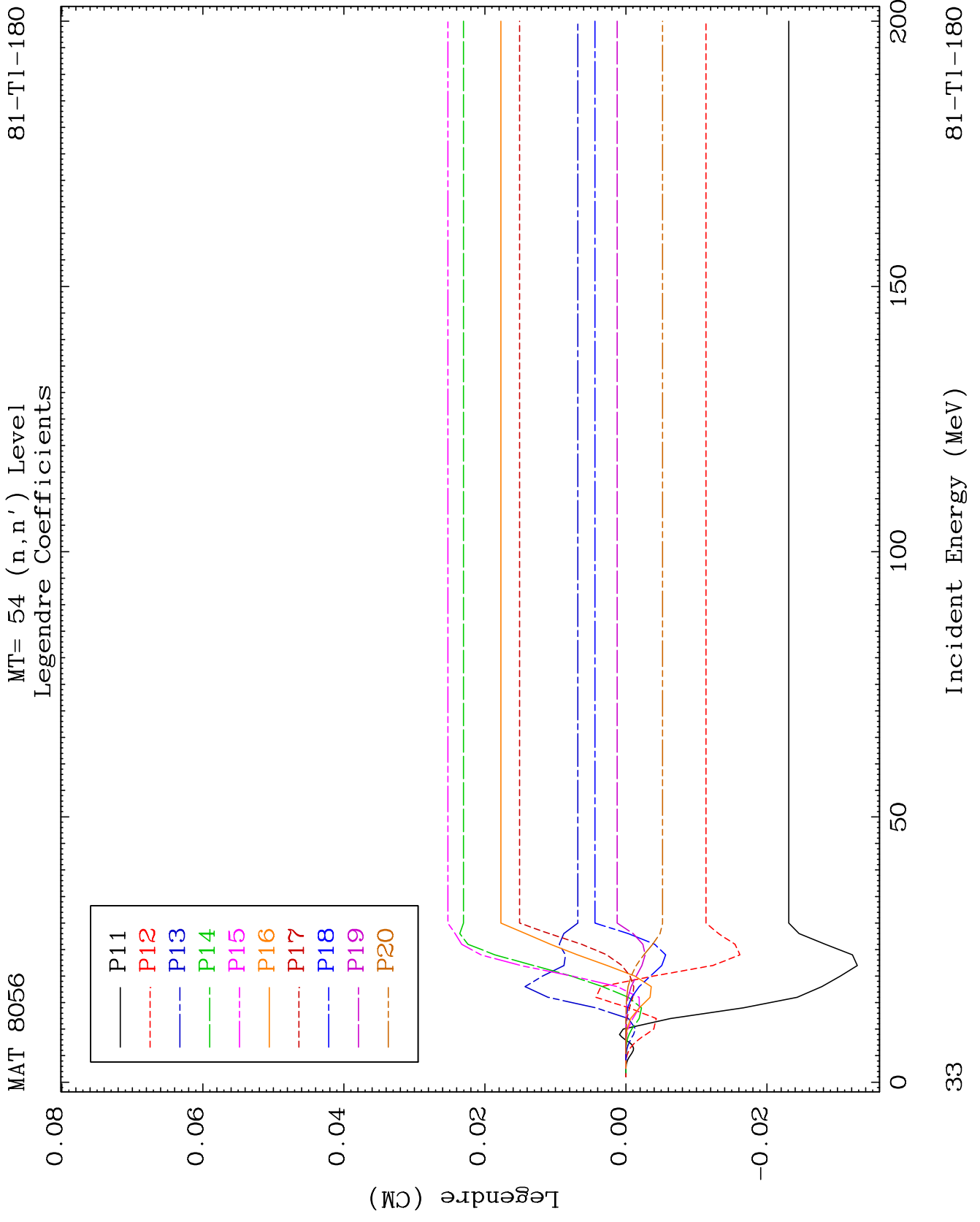
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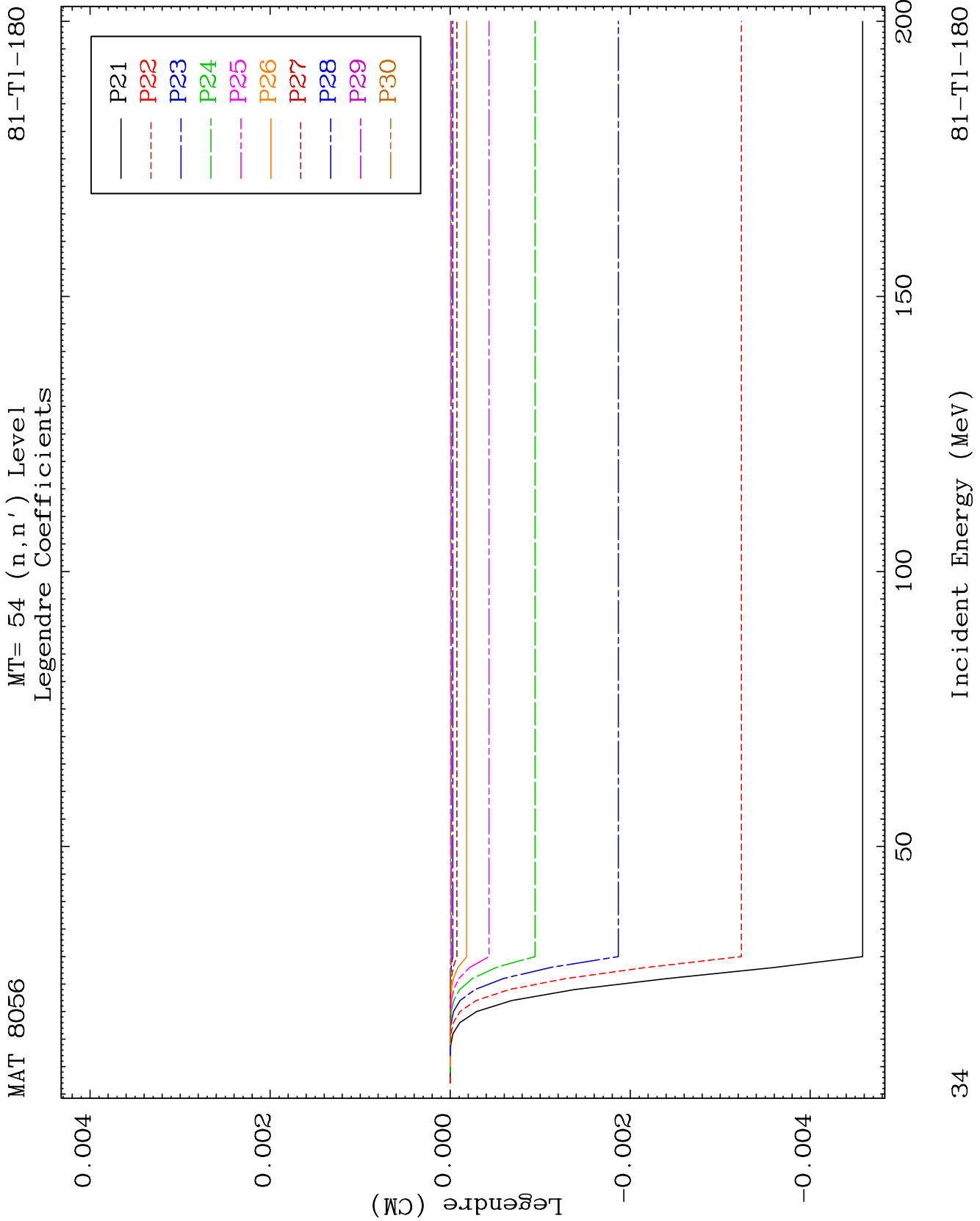
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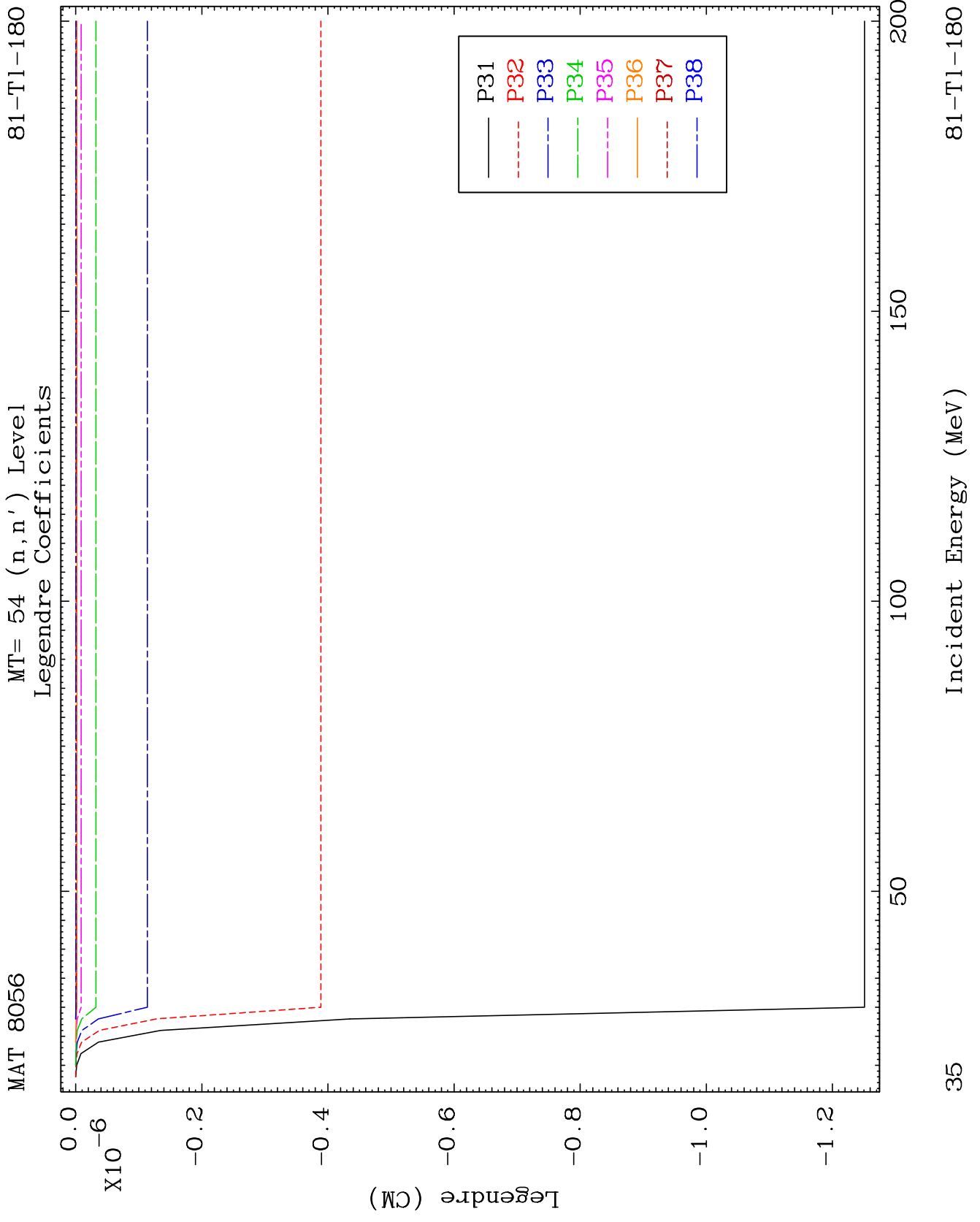
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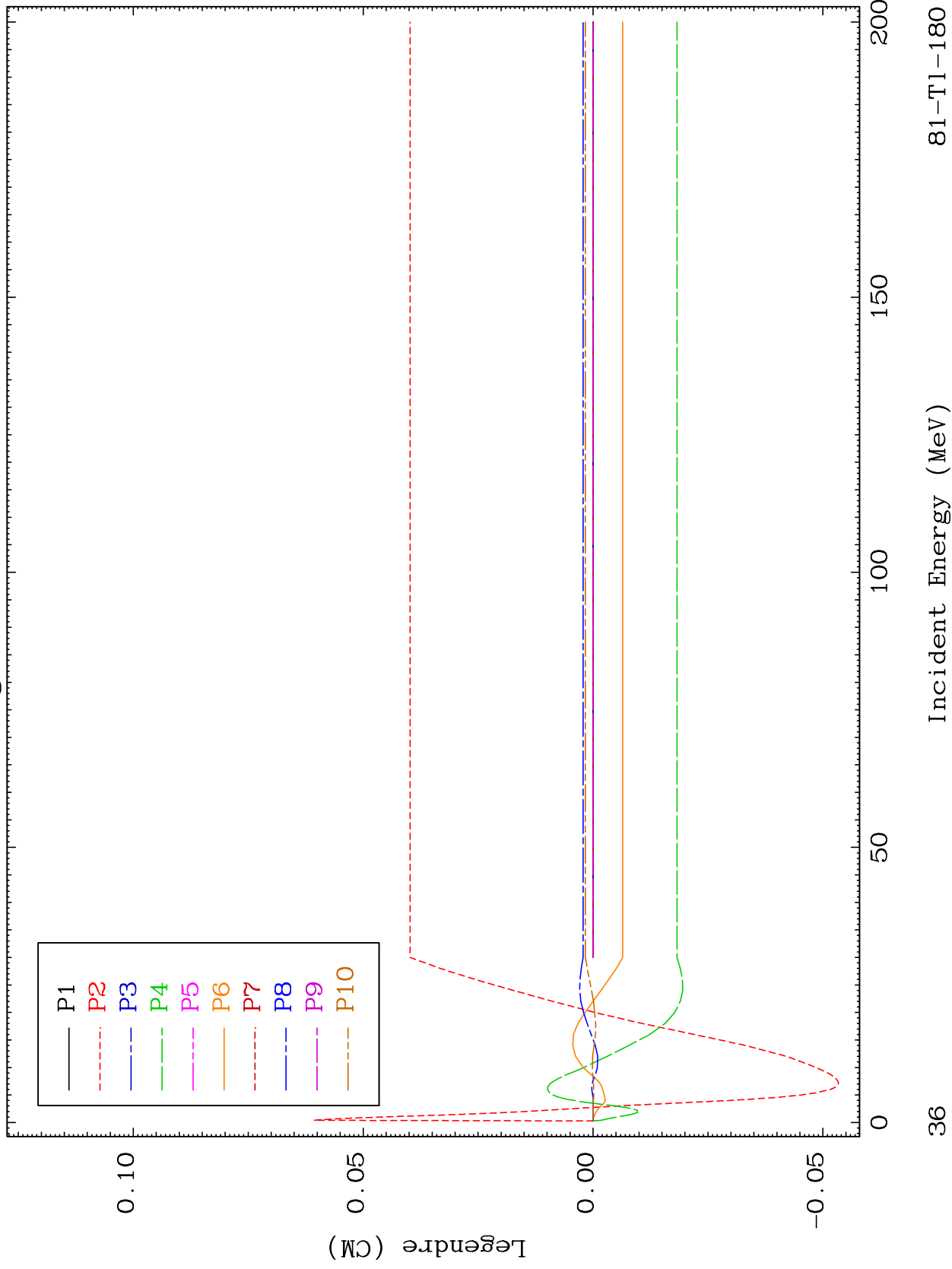




MAT 80566

MT= 55 (n,n') Level
Legendre Coefficients

81-T1-180



36

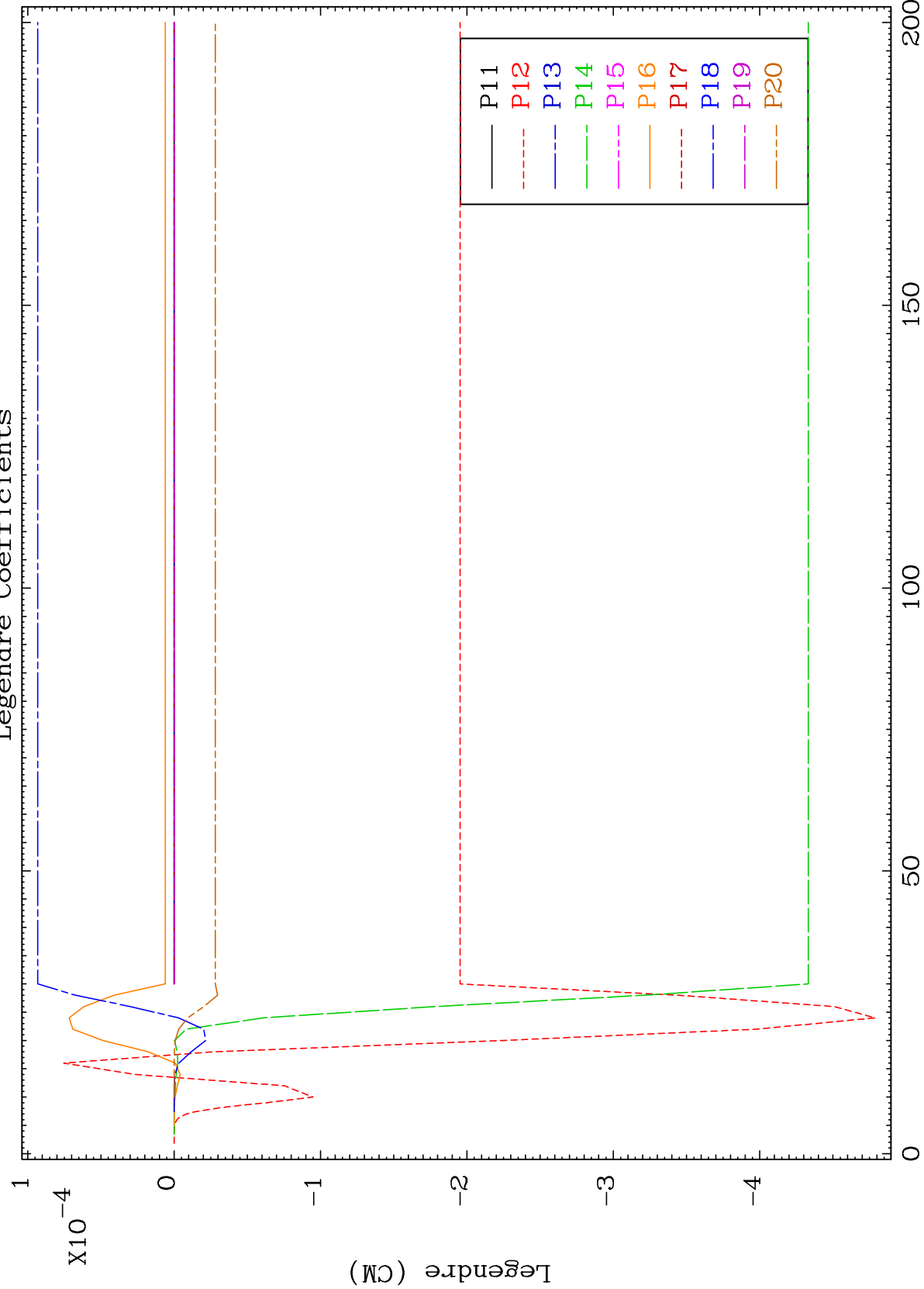
Incident Energy (MeV)

81-T1-180

MAT 8056

MT= 55 (n,n') Level
Legendre Coefficients

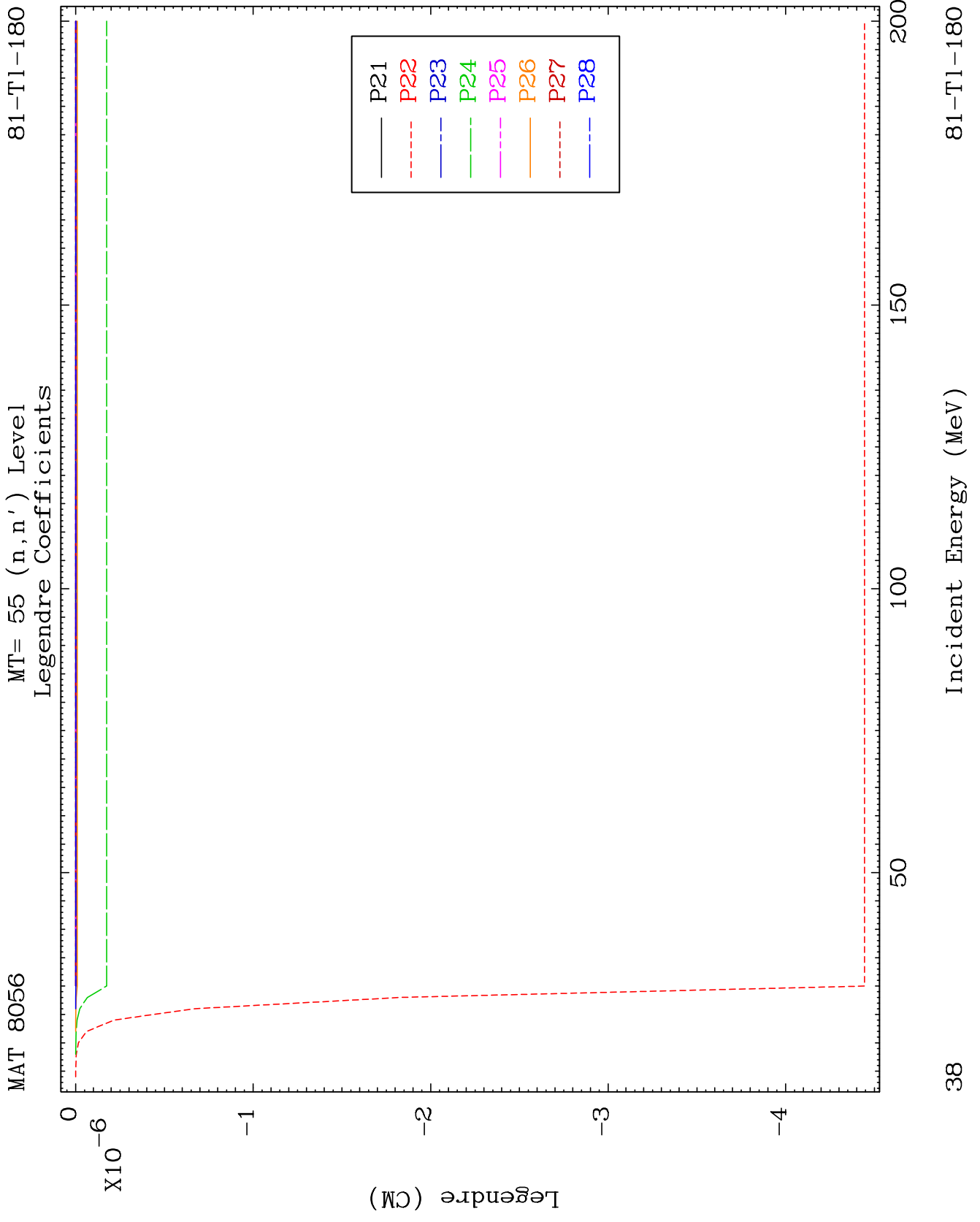
81-Tl-180



81-Tl-180

Incident Energy (MeV)

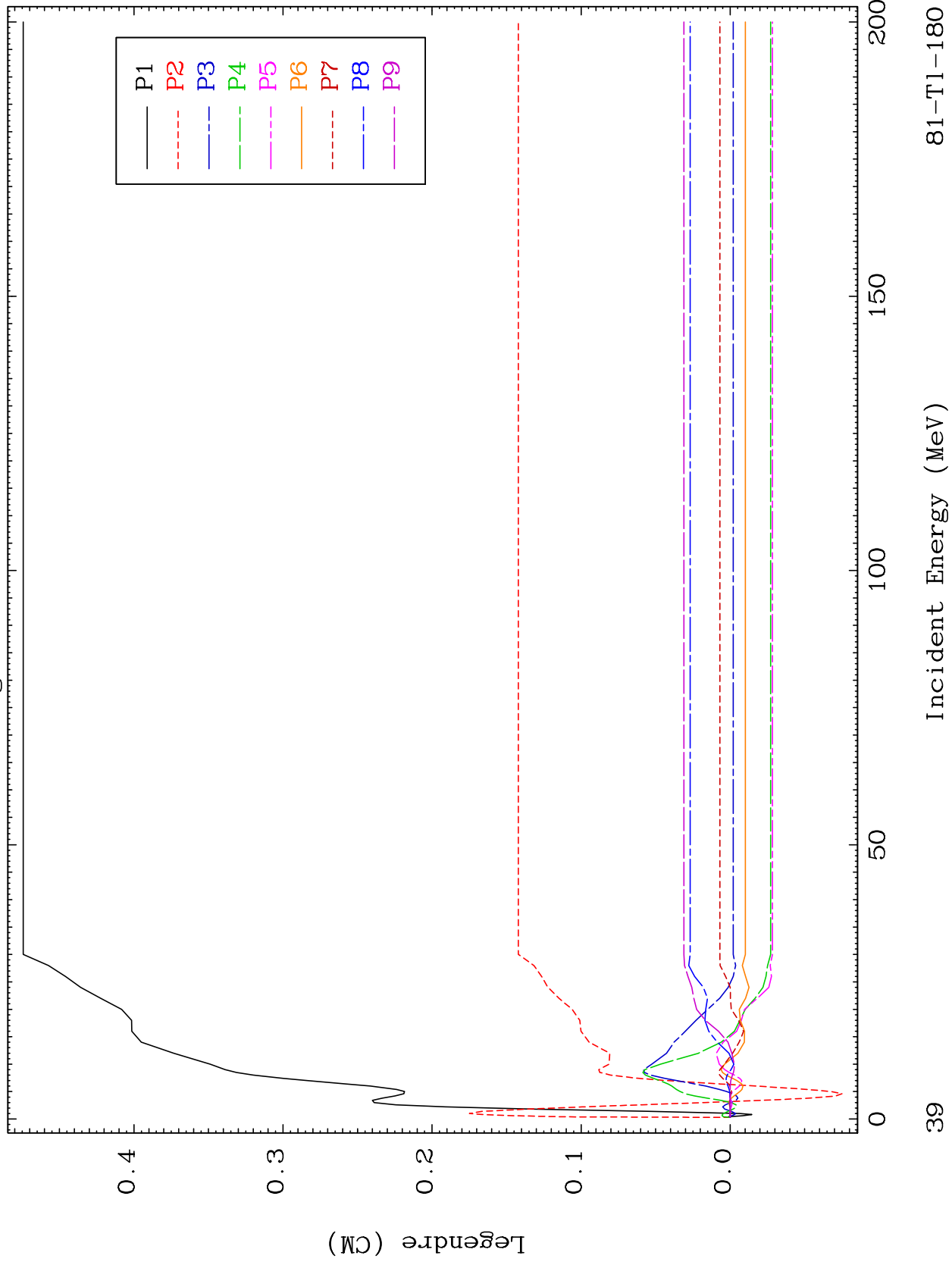
37



MAT 8056

MT= 56 (n,n') Level
Legendre Coefficients

81-T1-180



39

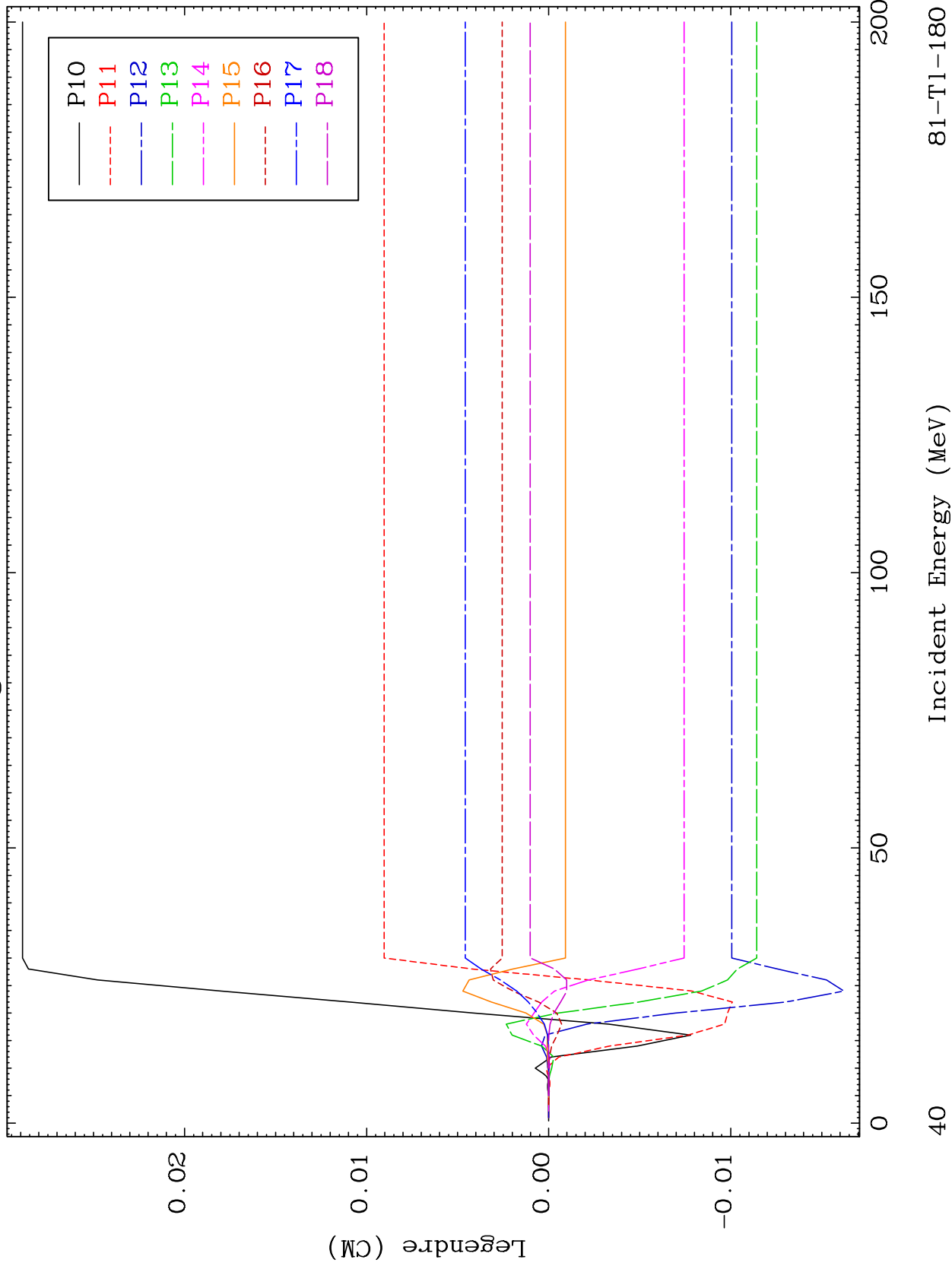
Incident Energy (MeV)

81-T1-180

MAT 8056

MT= 56 (n,n') Level
Legendre Coefficients

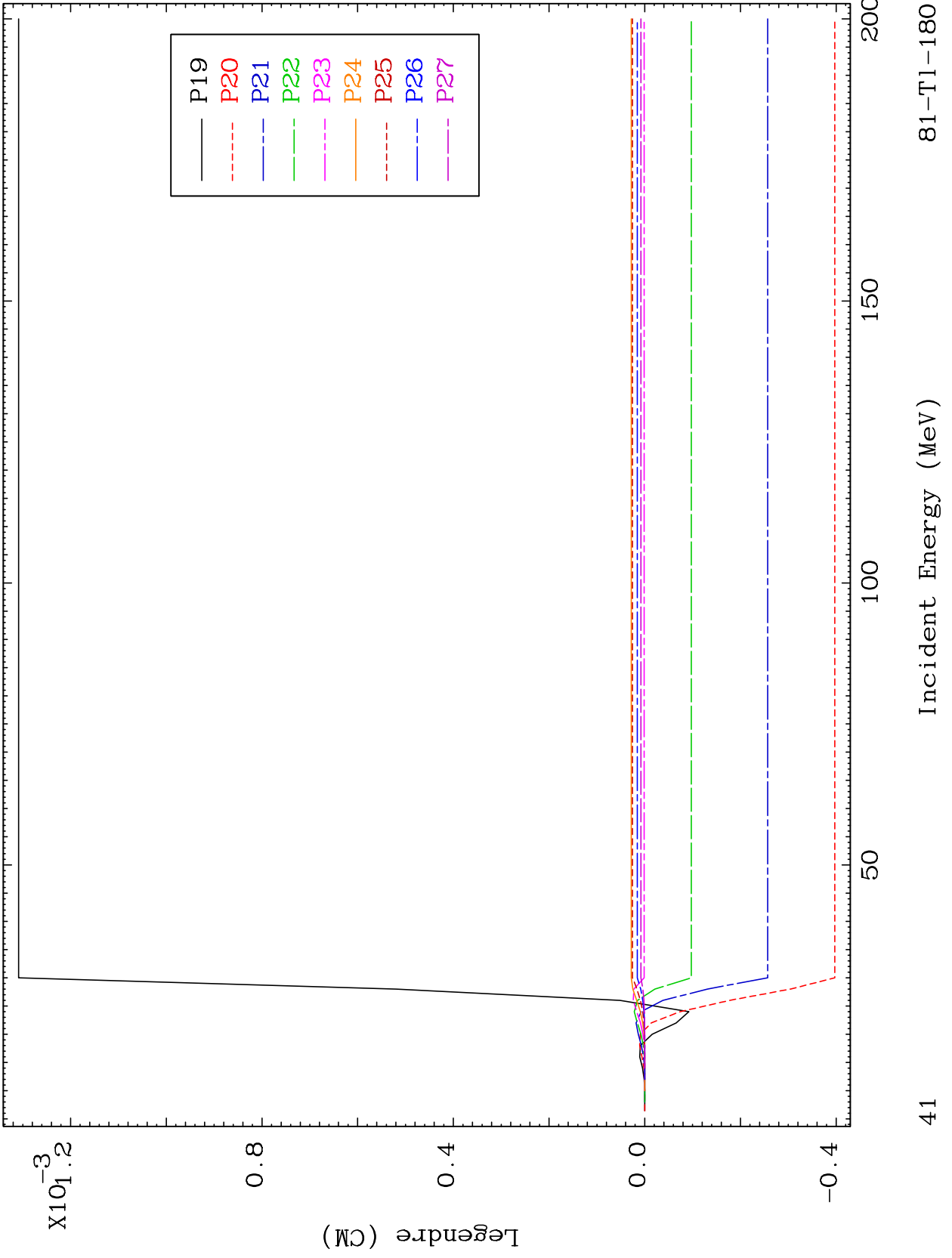
81-T1-180



MAT 8056

MT= 56 (n,n') Level
Legendre Coefficients

81-Tl-180



41

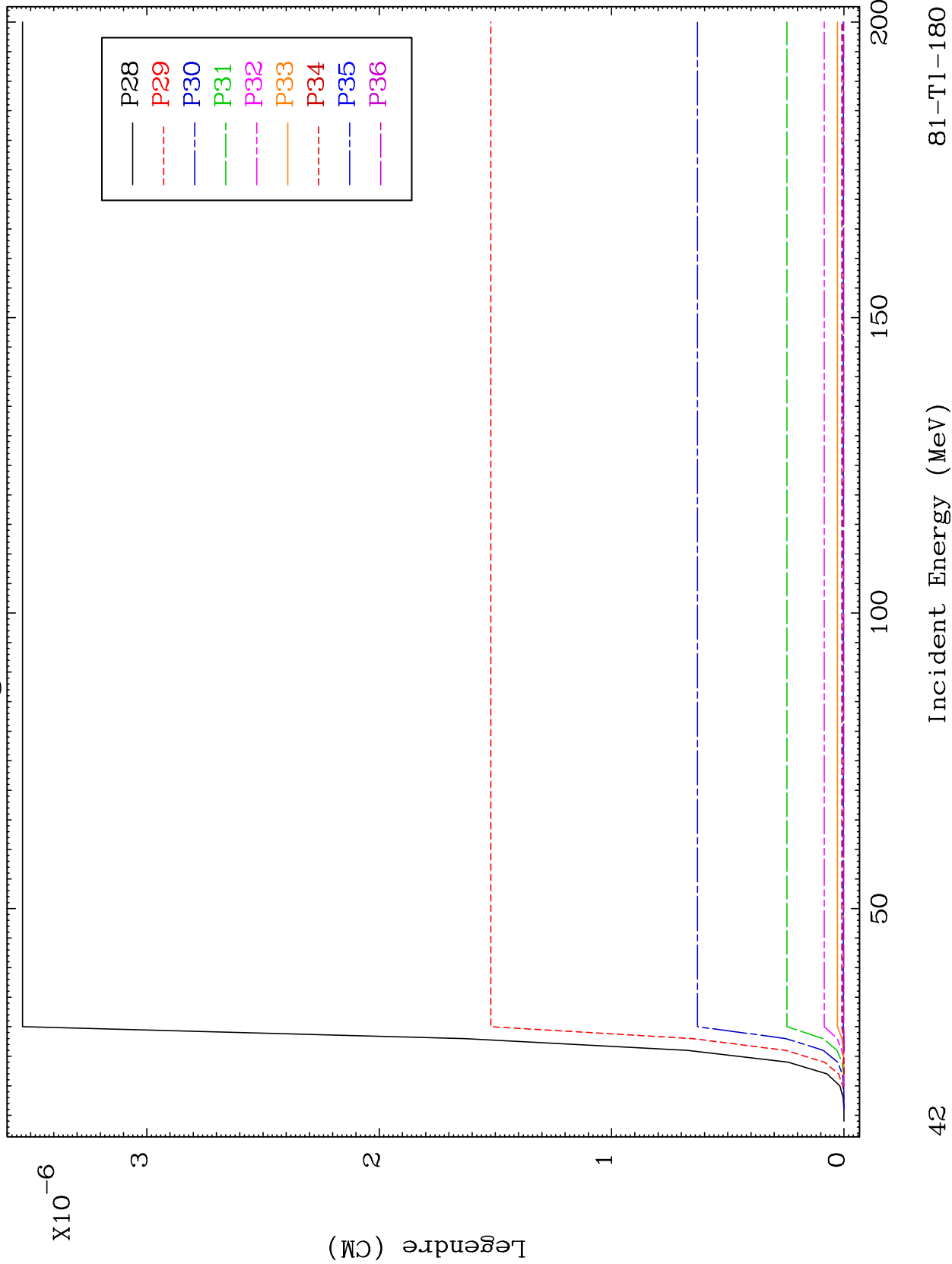
Incident Energy (MeV)

81-Tl-180

MAT 8056

MT= 56 (n,n') Level
Legendre Coefficients

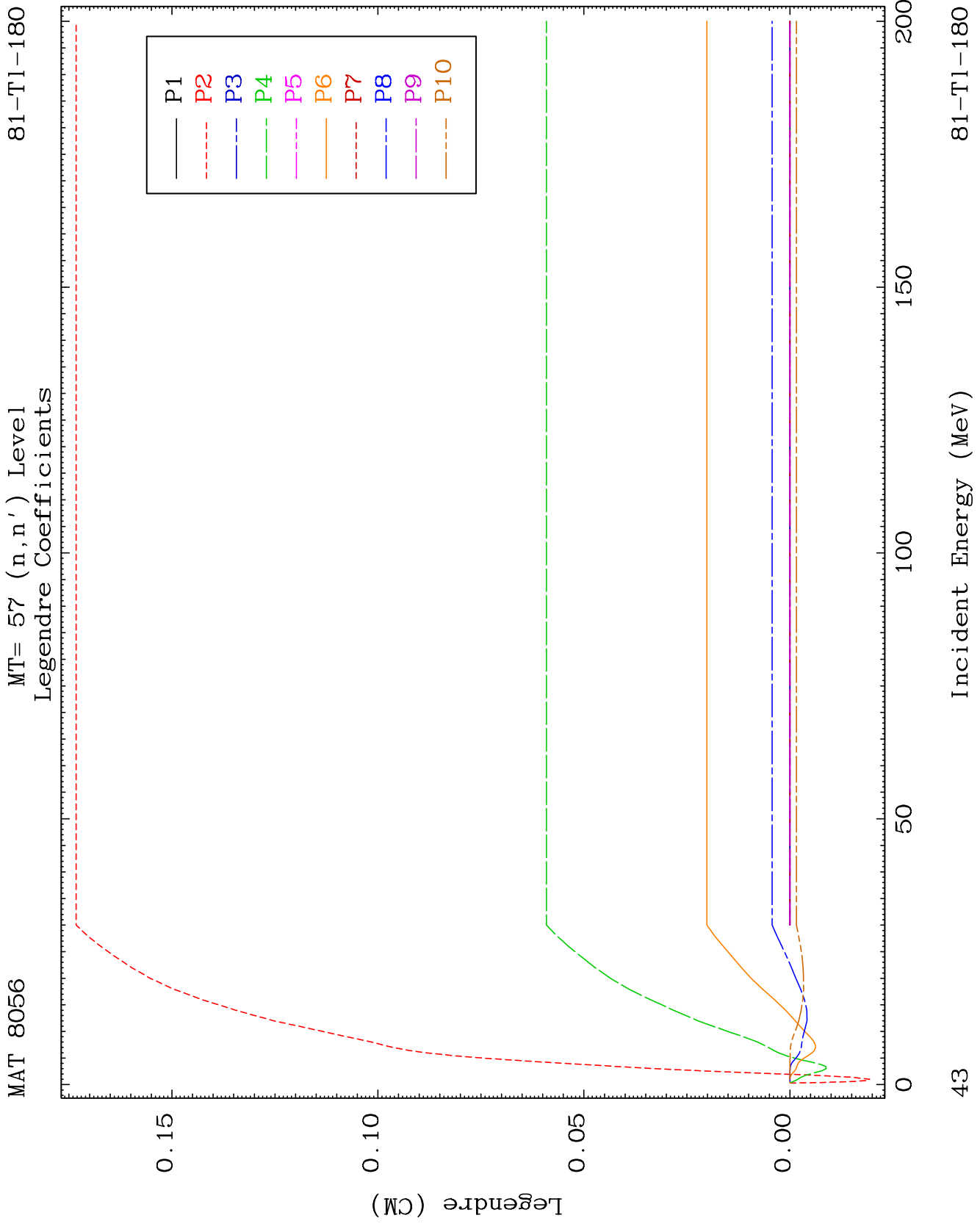
81-Tl-180



42

Incident Energy (MeV)

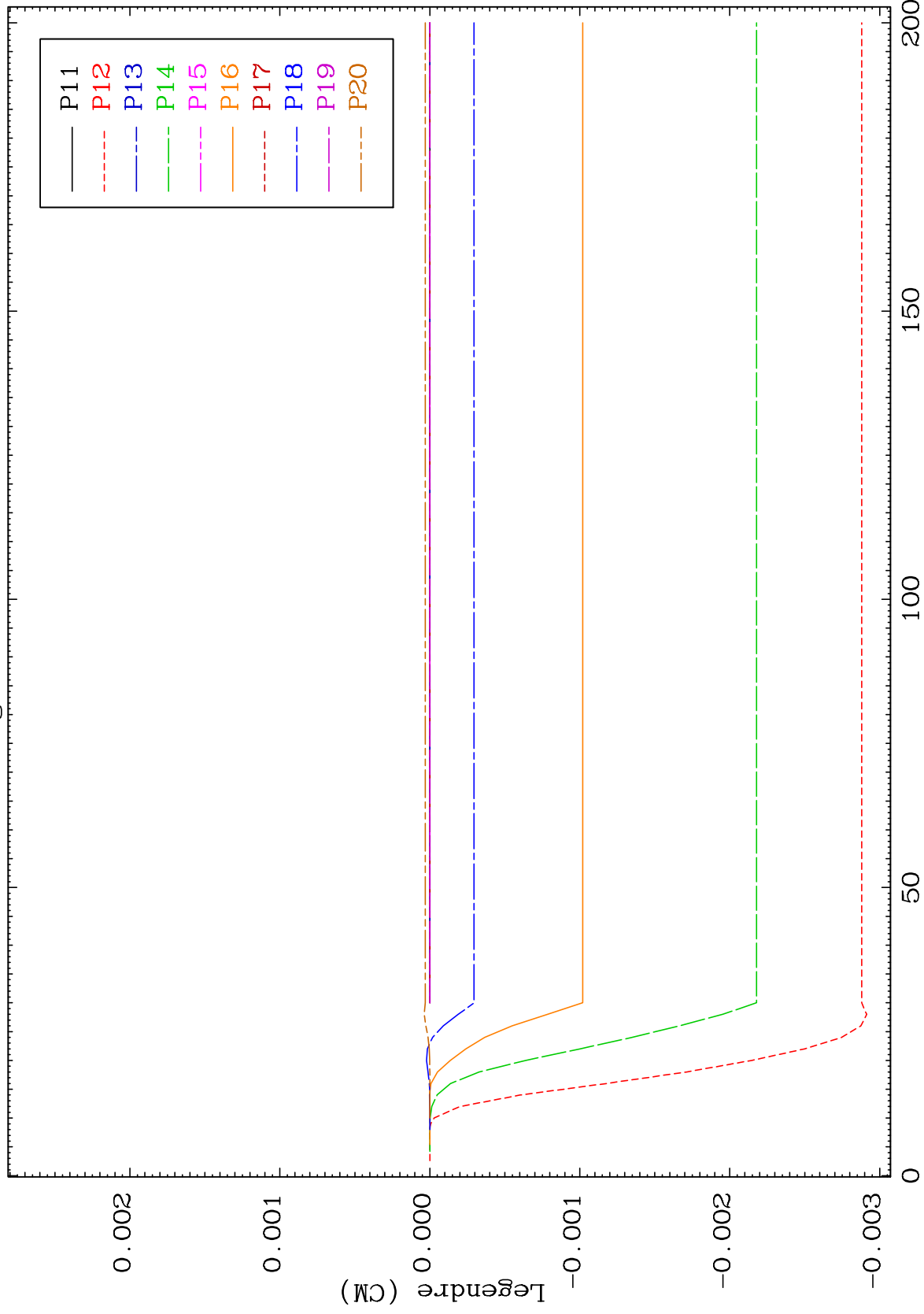
81-Tl-180



MAT 8056

MT= 57 (n,n') Level
Legendre Coefficients

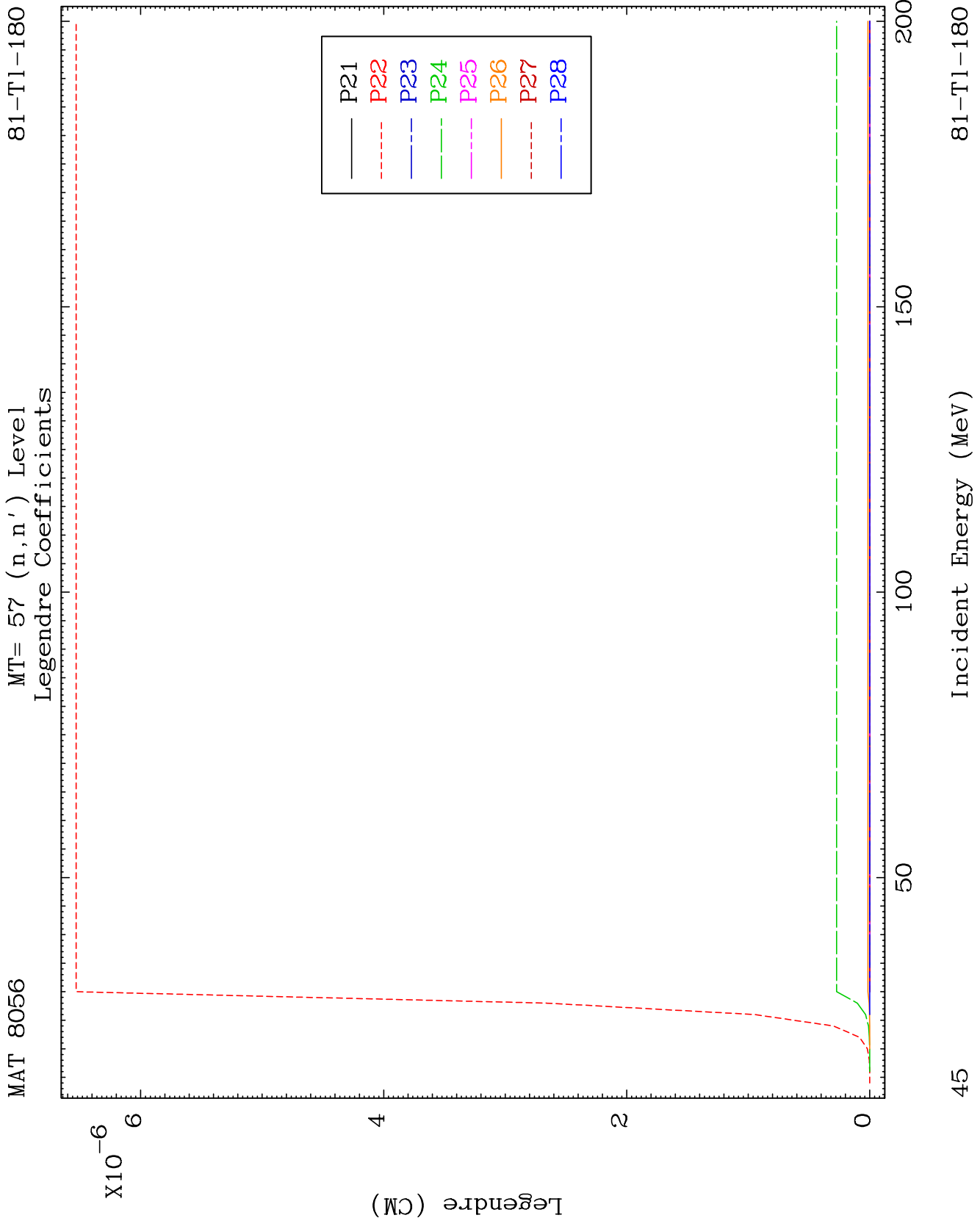
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Incident Energy (MeV)

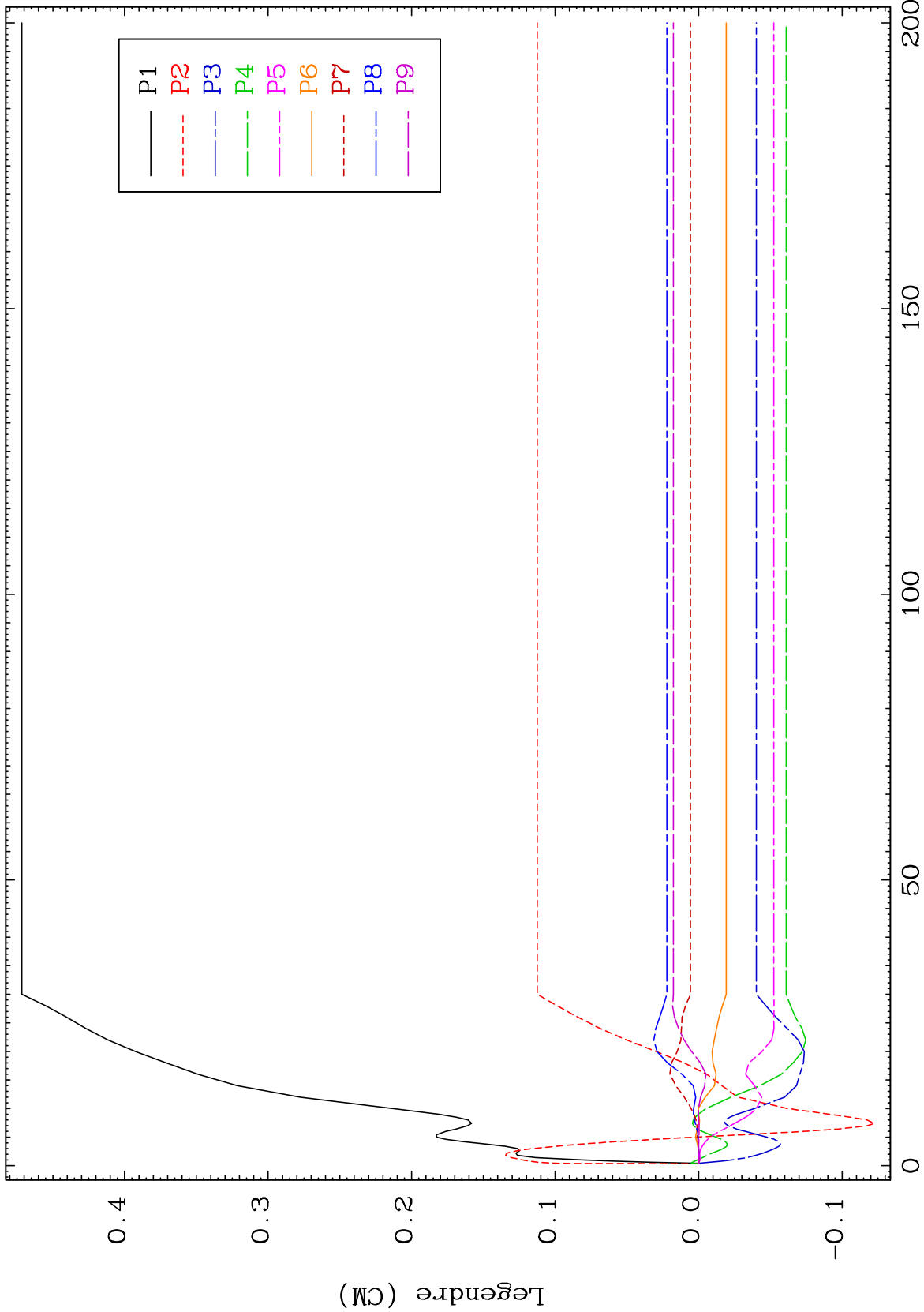
81-Tl-180



MAT 8056

MT= 58 (n,n') Level
Legendre Coefficients

81-T1-180



46

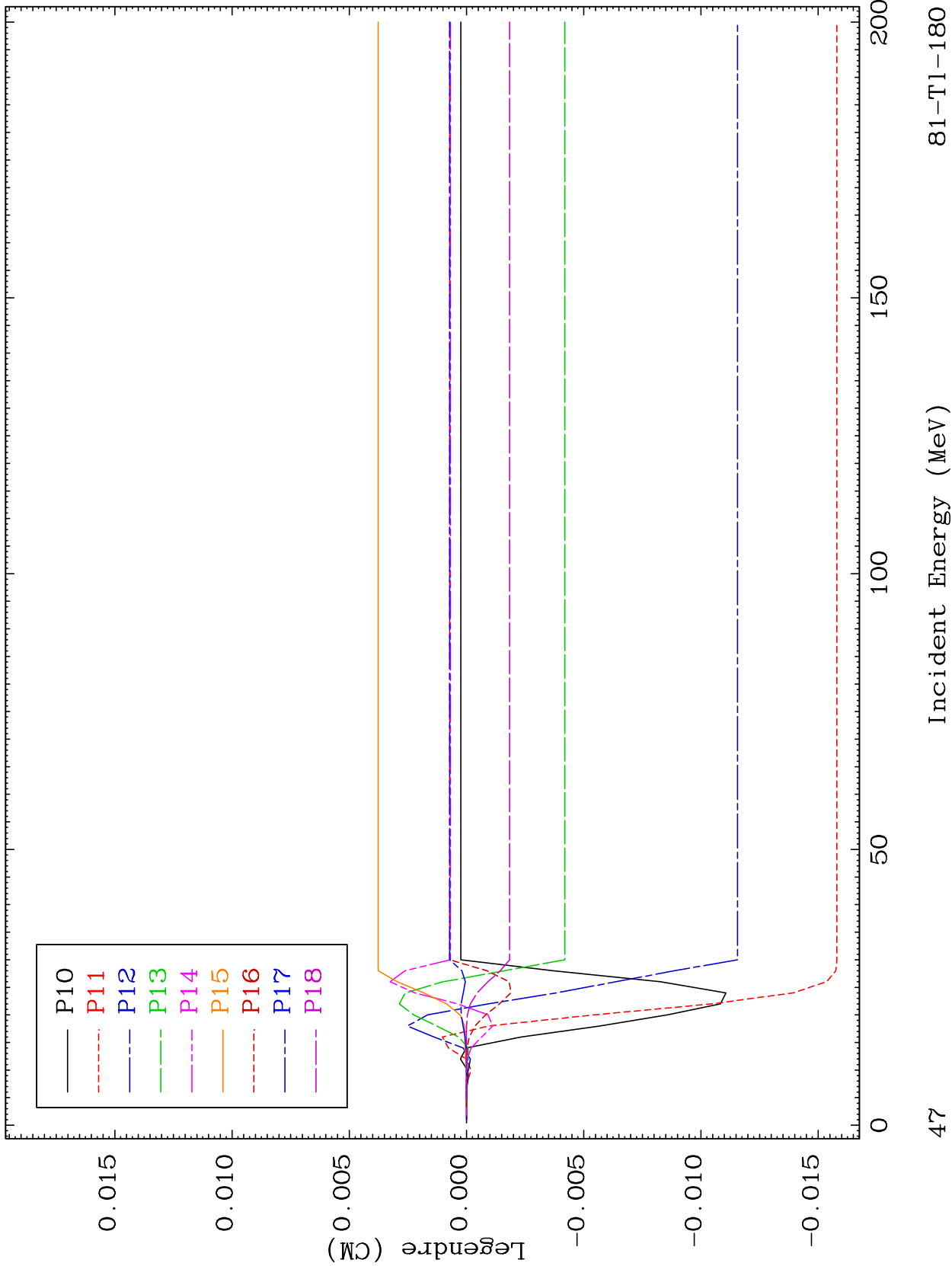
Incident Energy (MeV)

81-T1-180

MAT 80566

MT= 58 (n,n') Level
Legendre Coefficients

81-T1-180



47

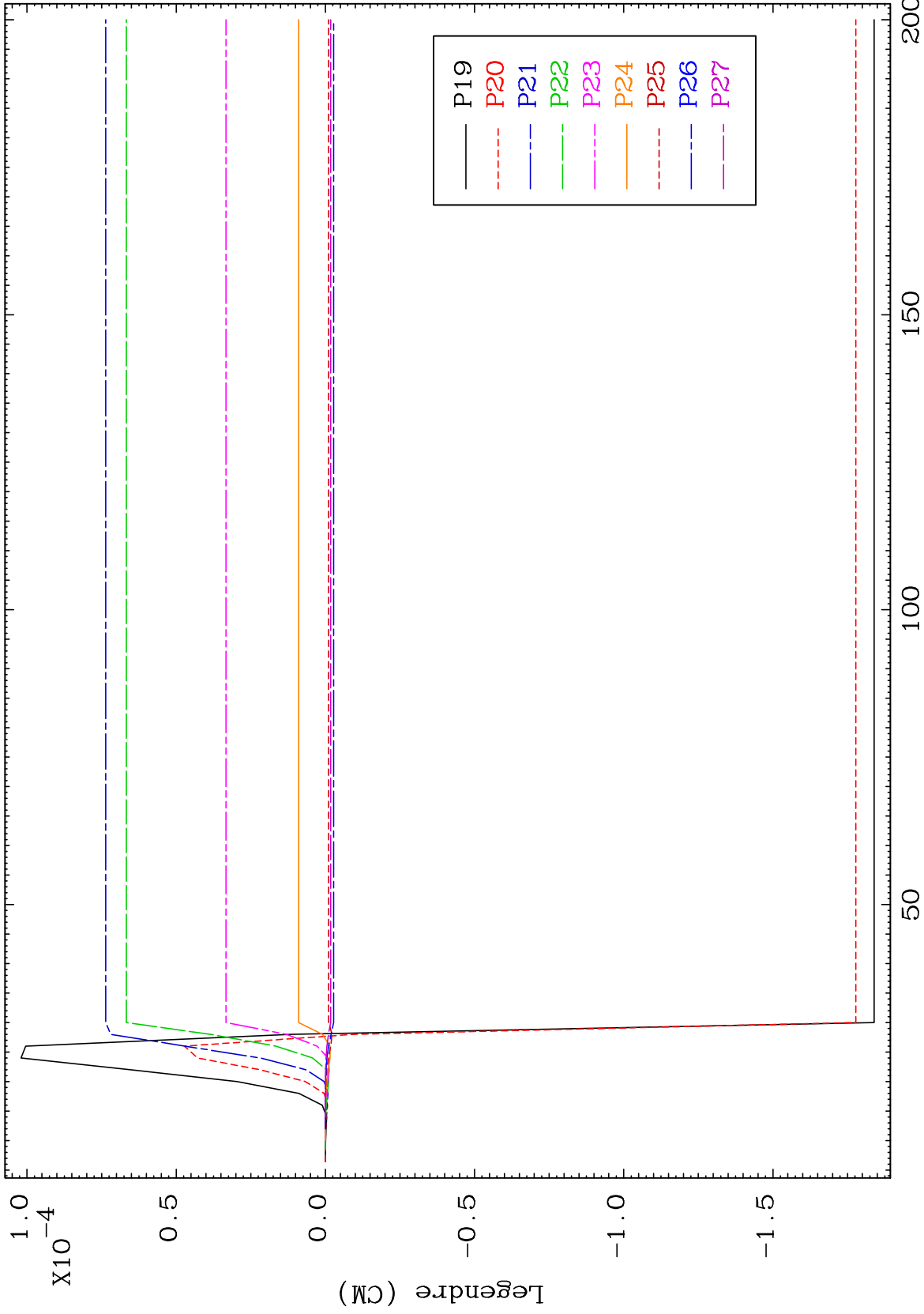
Incident Energy (MeV)

81-T1-180

MAT 80566

MT= 58 (n,n') Level
Legendre Coefficients

81-Tl-180



48

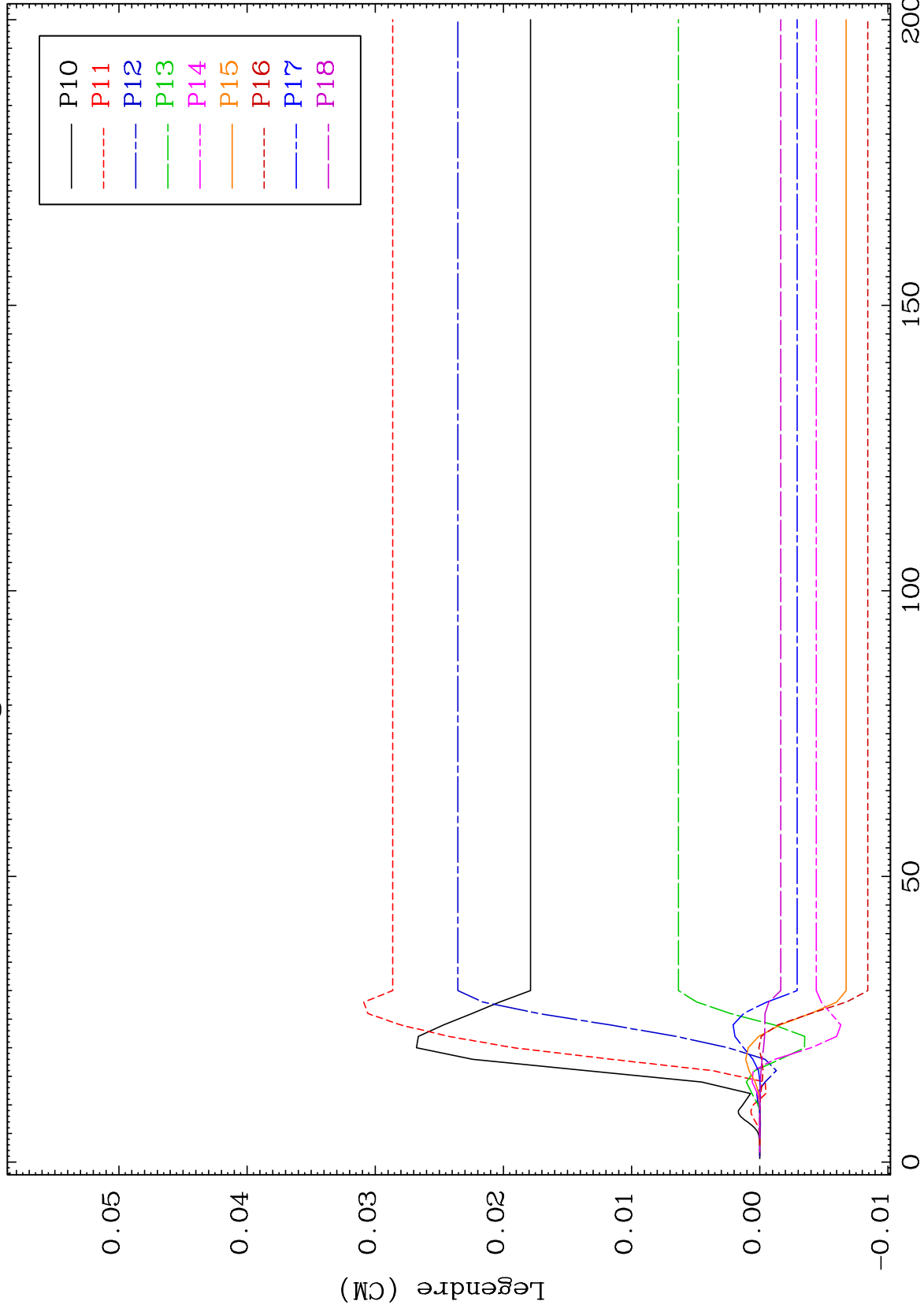
Incident Energy (MeV)

81-Tl-180

MAT 8056

MT= 59 (n,n') Level
Legendre Coefficients

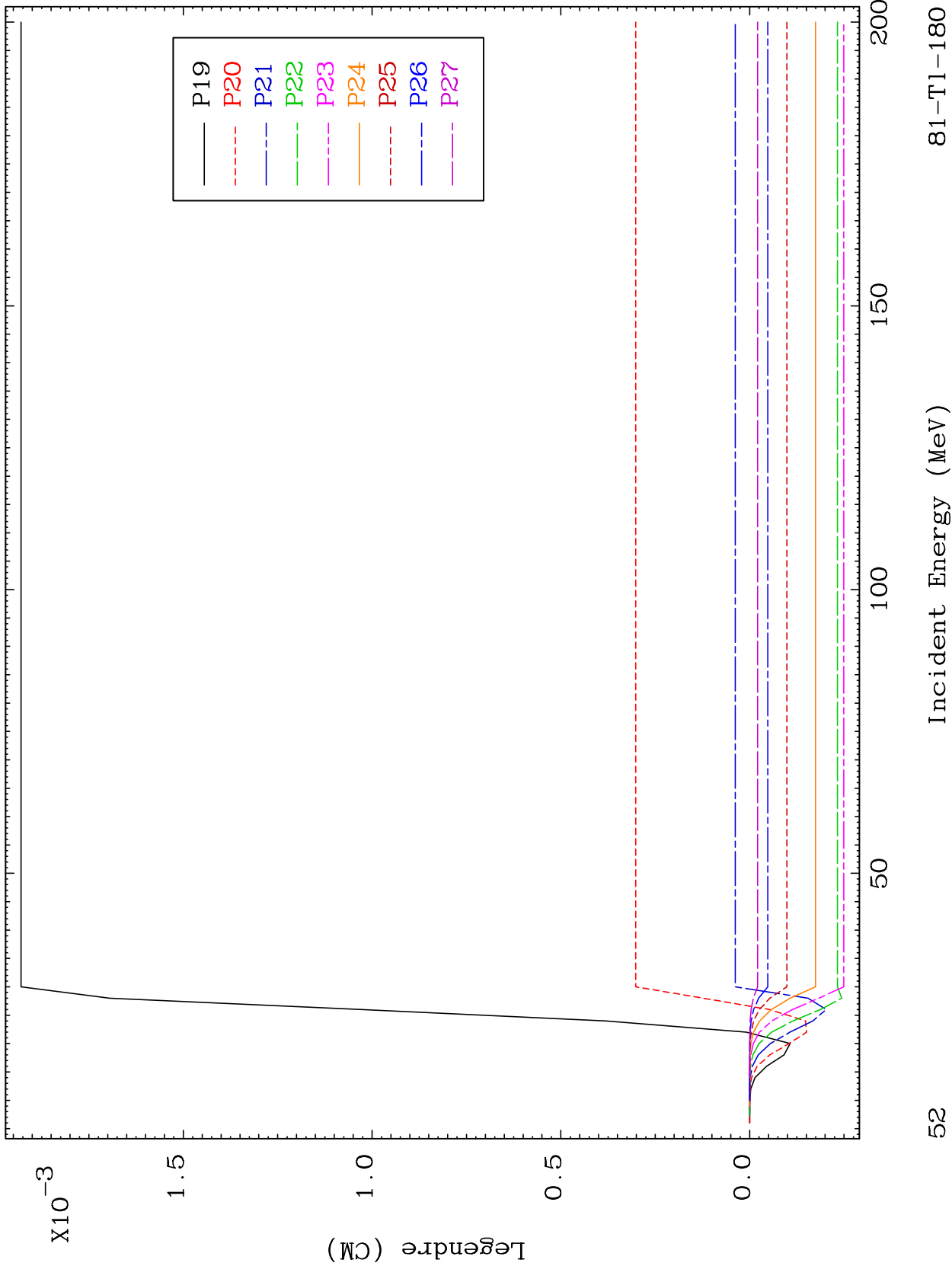
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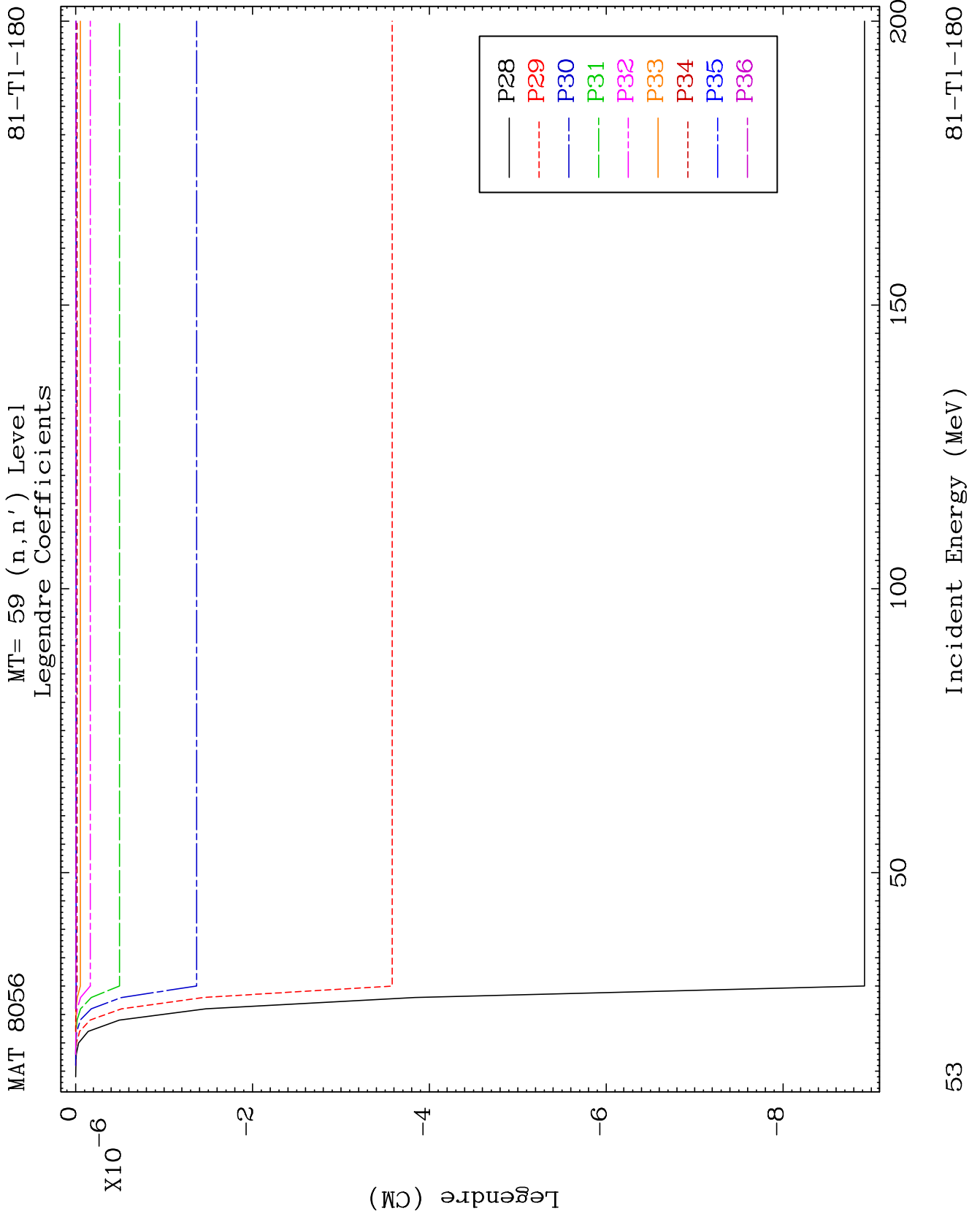


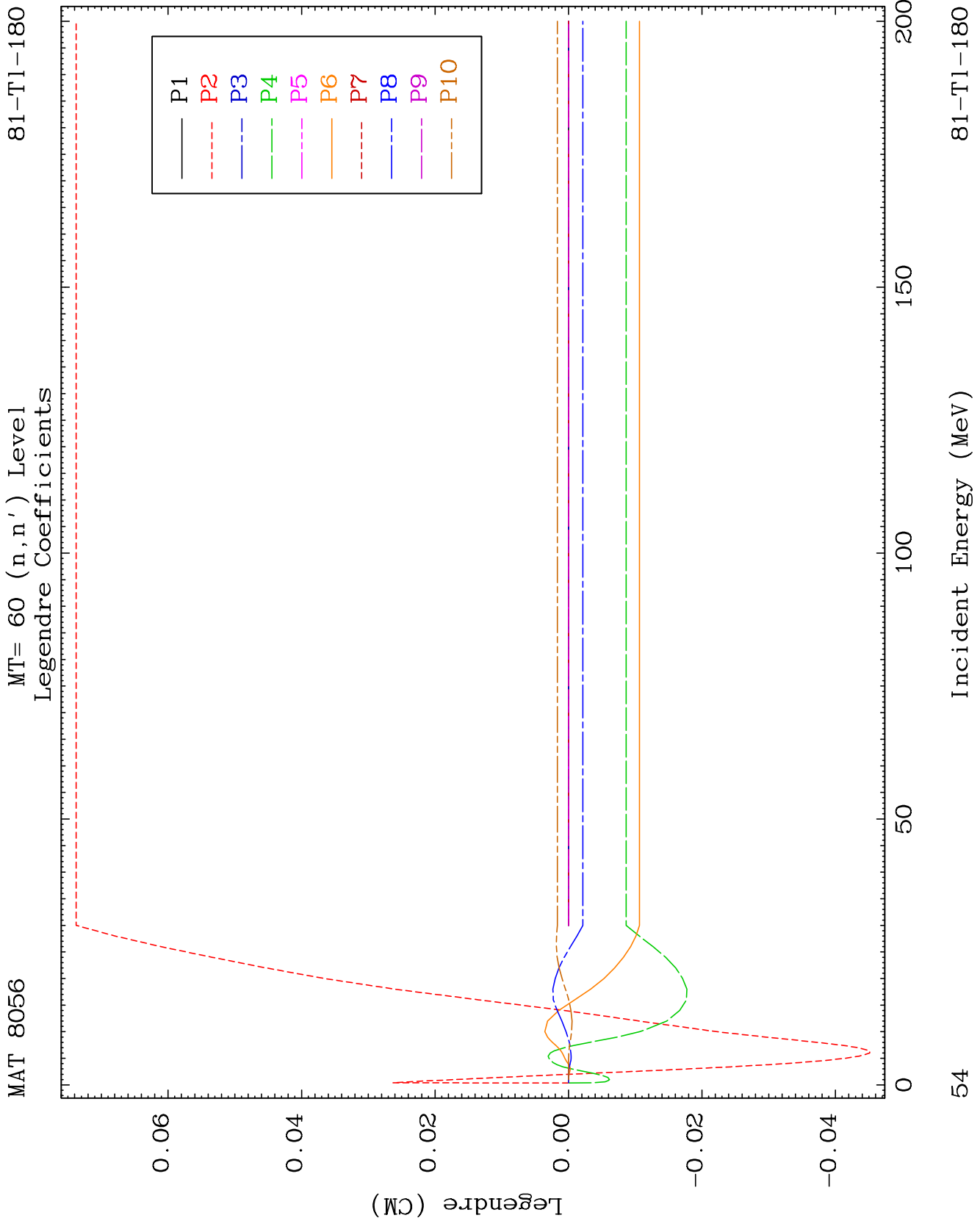
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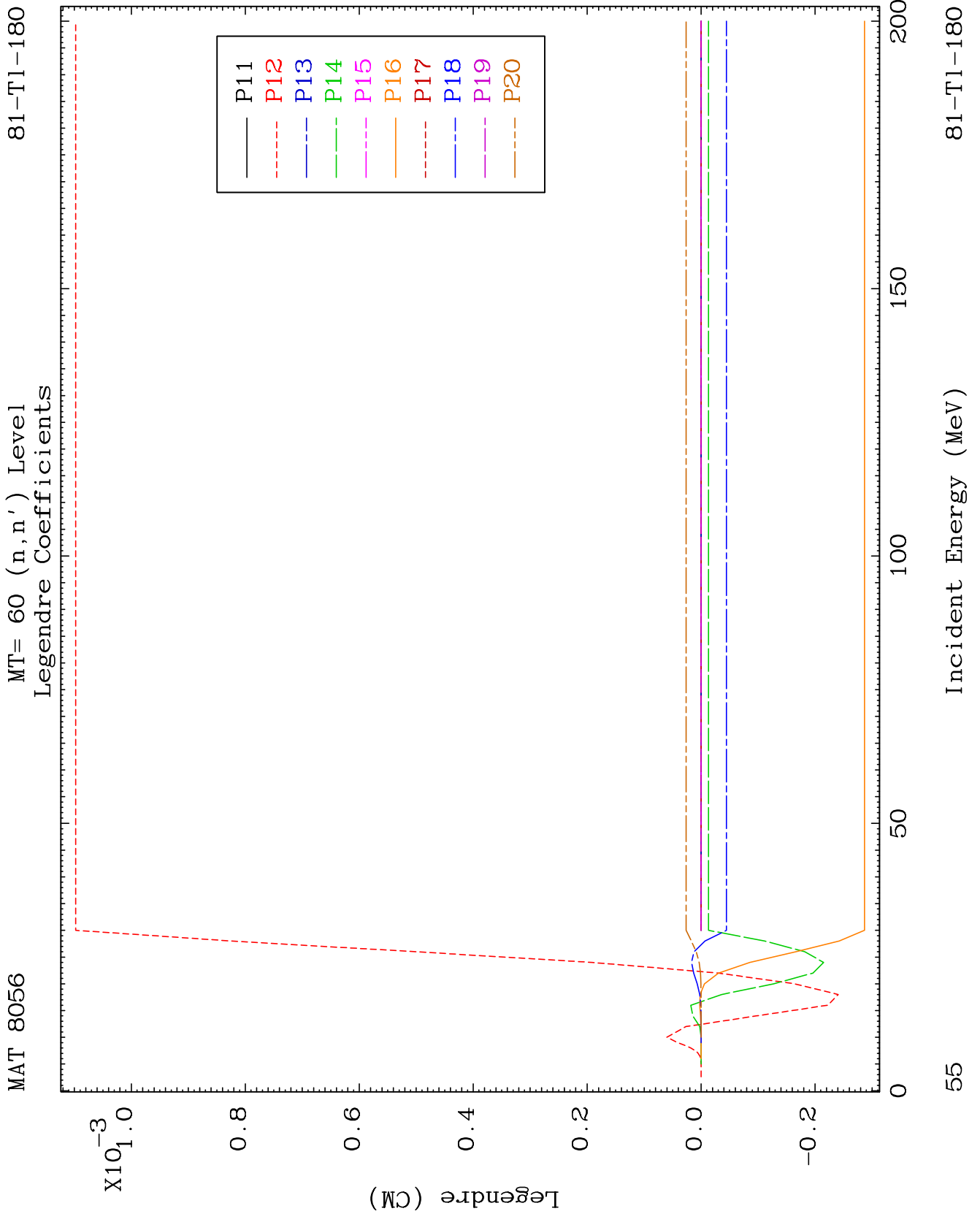
Incident Energy (MeV)

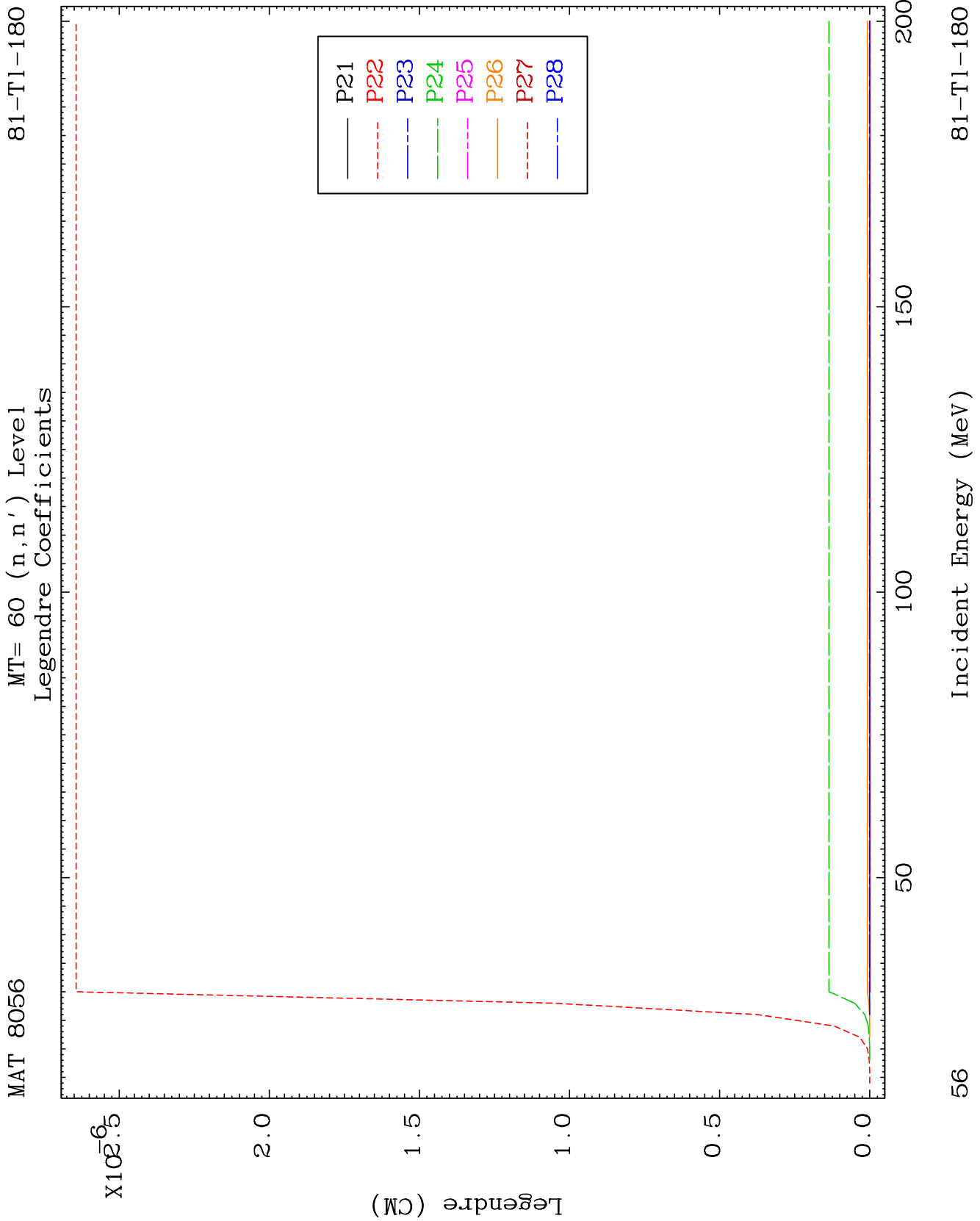
81-T1-180







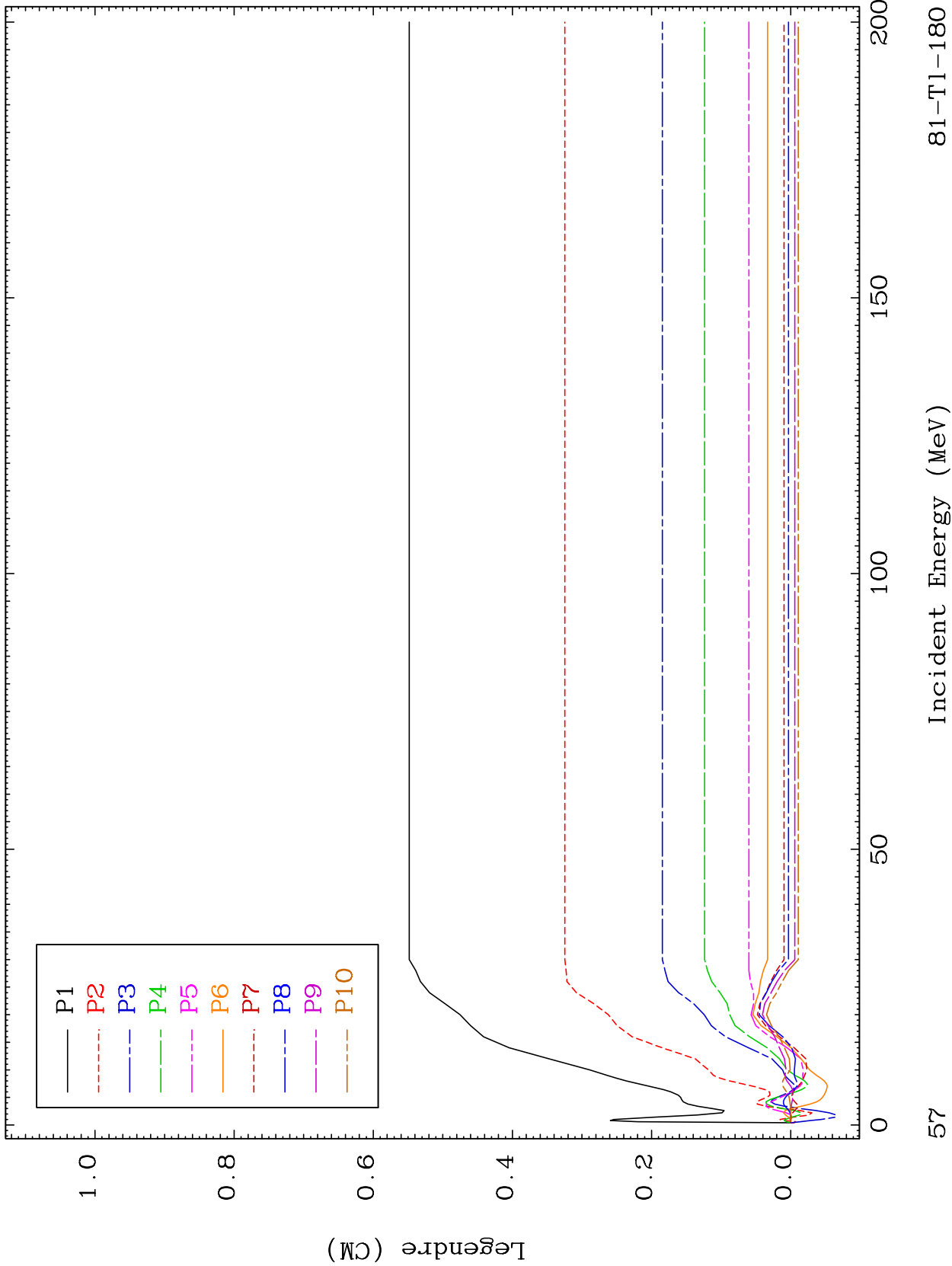


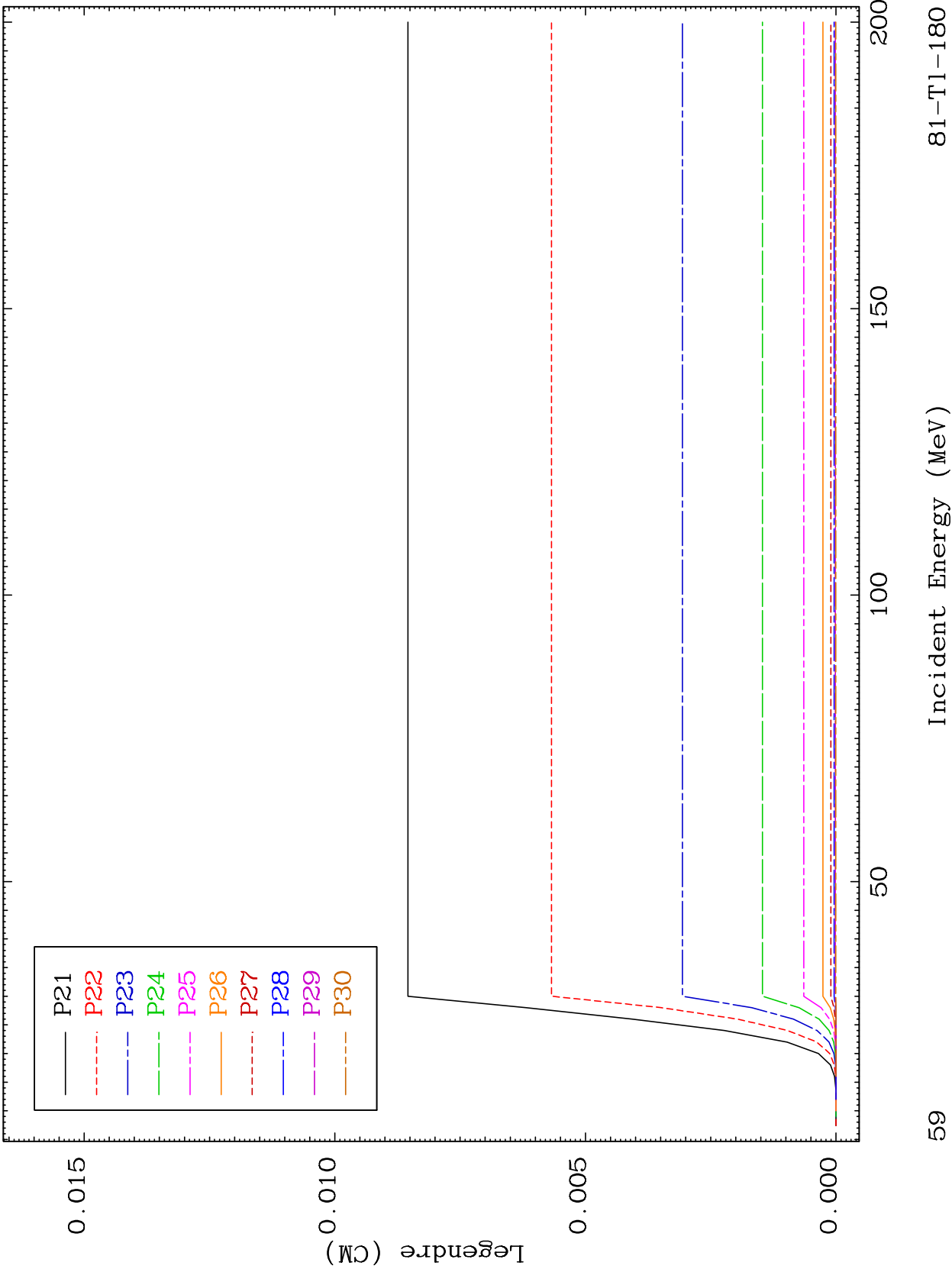


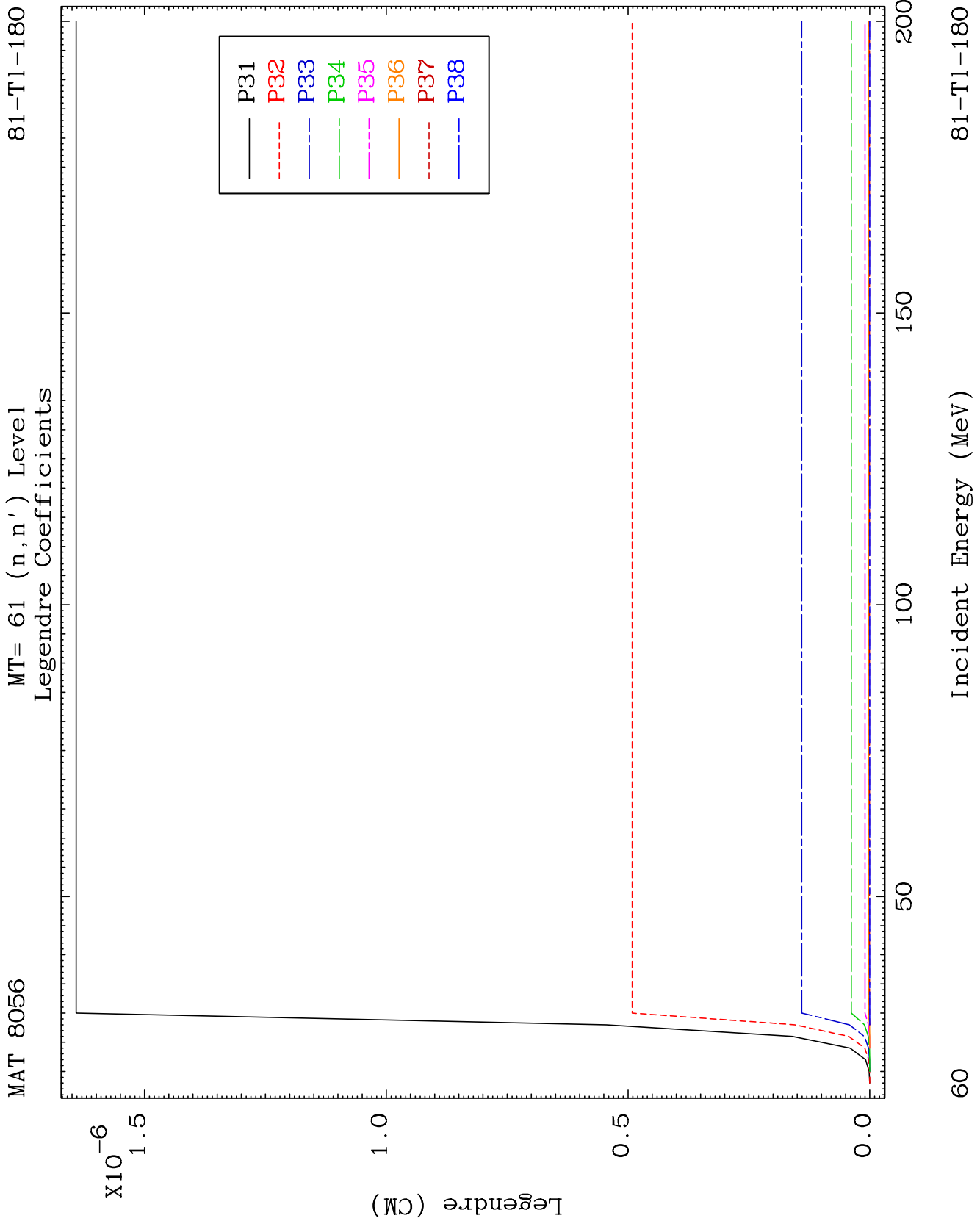
MAT 8056

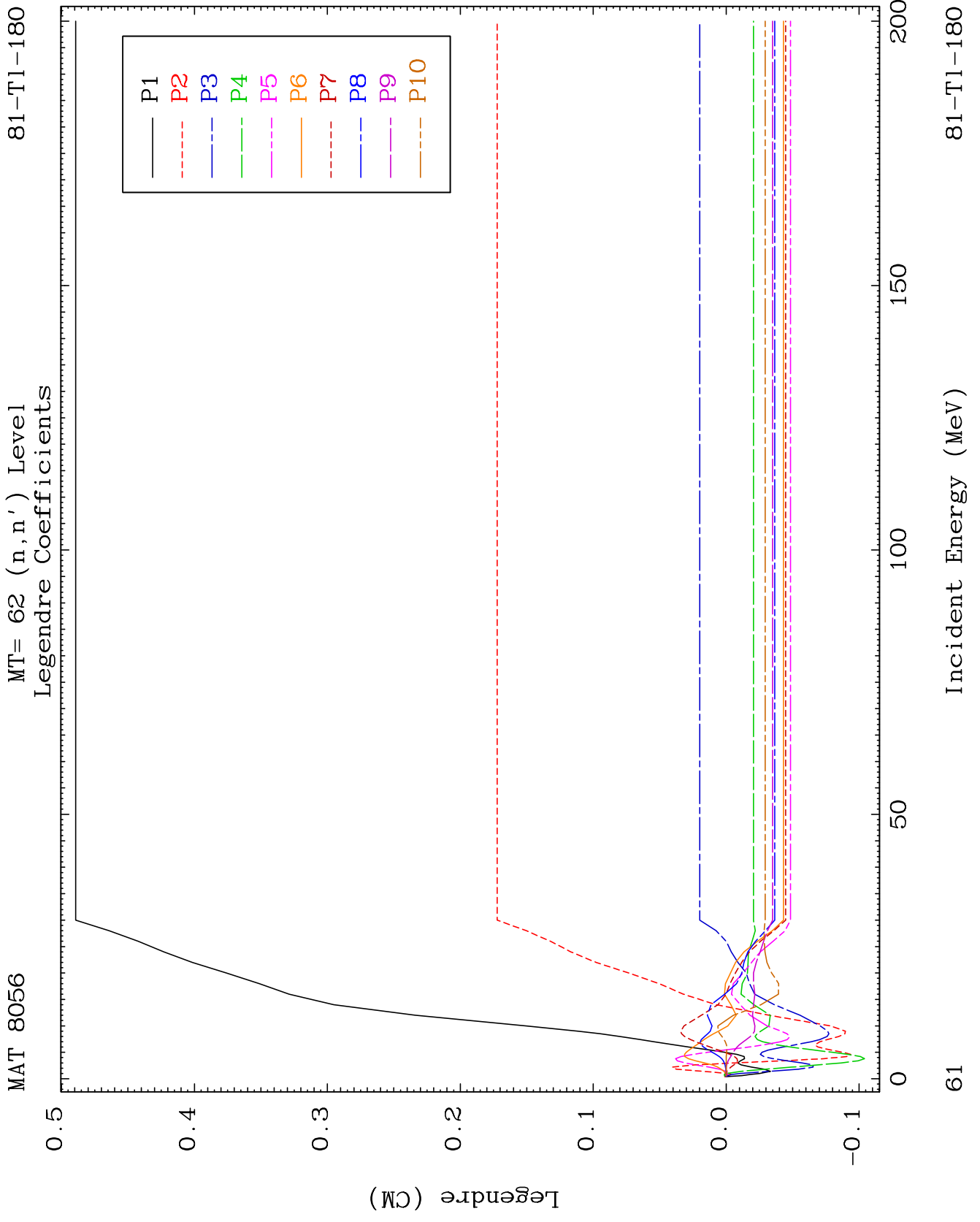
MT= 61 (n,n') Level
Legendre Coefficients

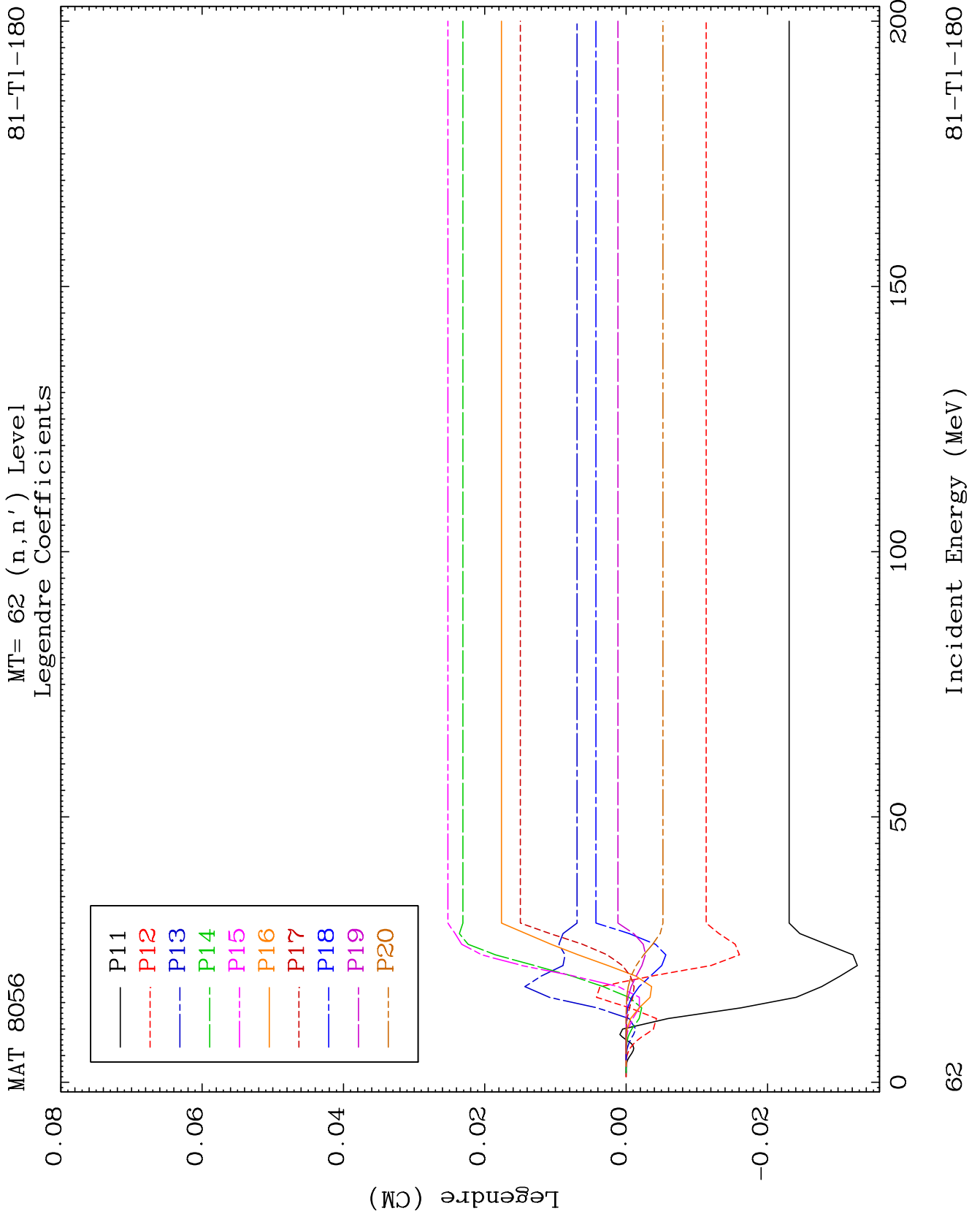
81-Tl-180

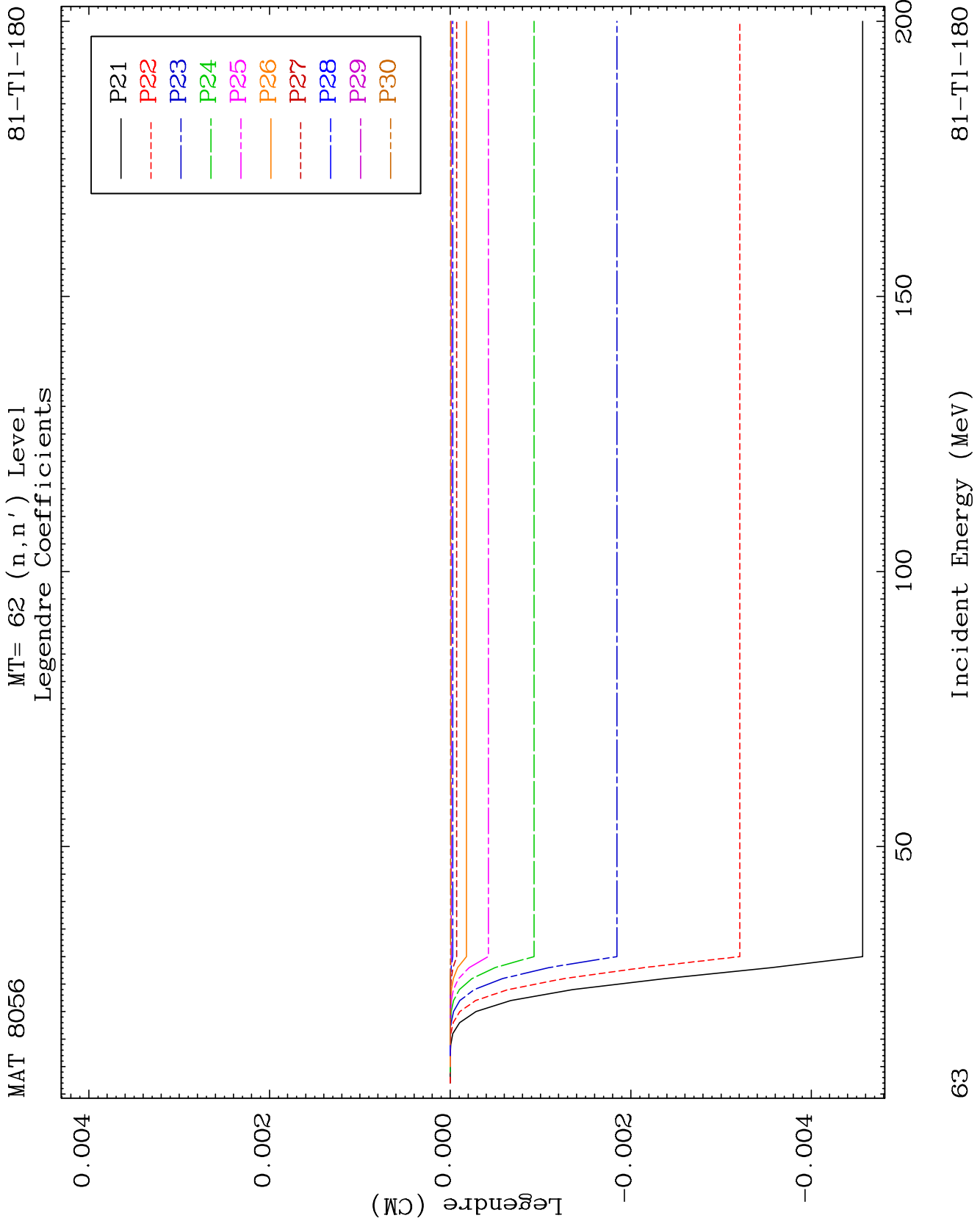


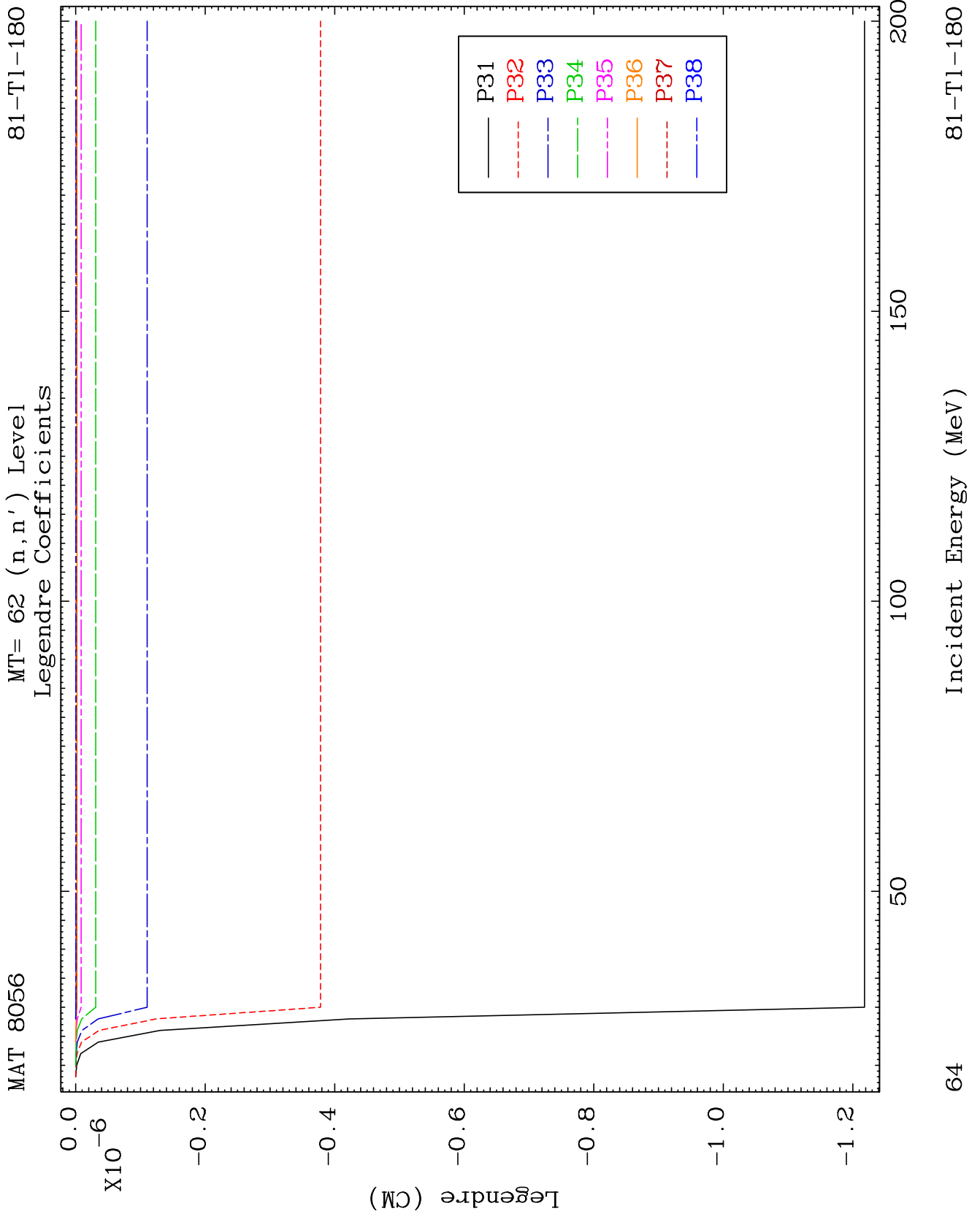


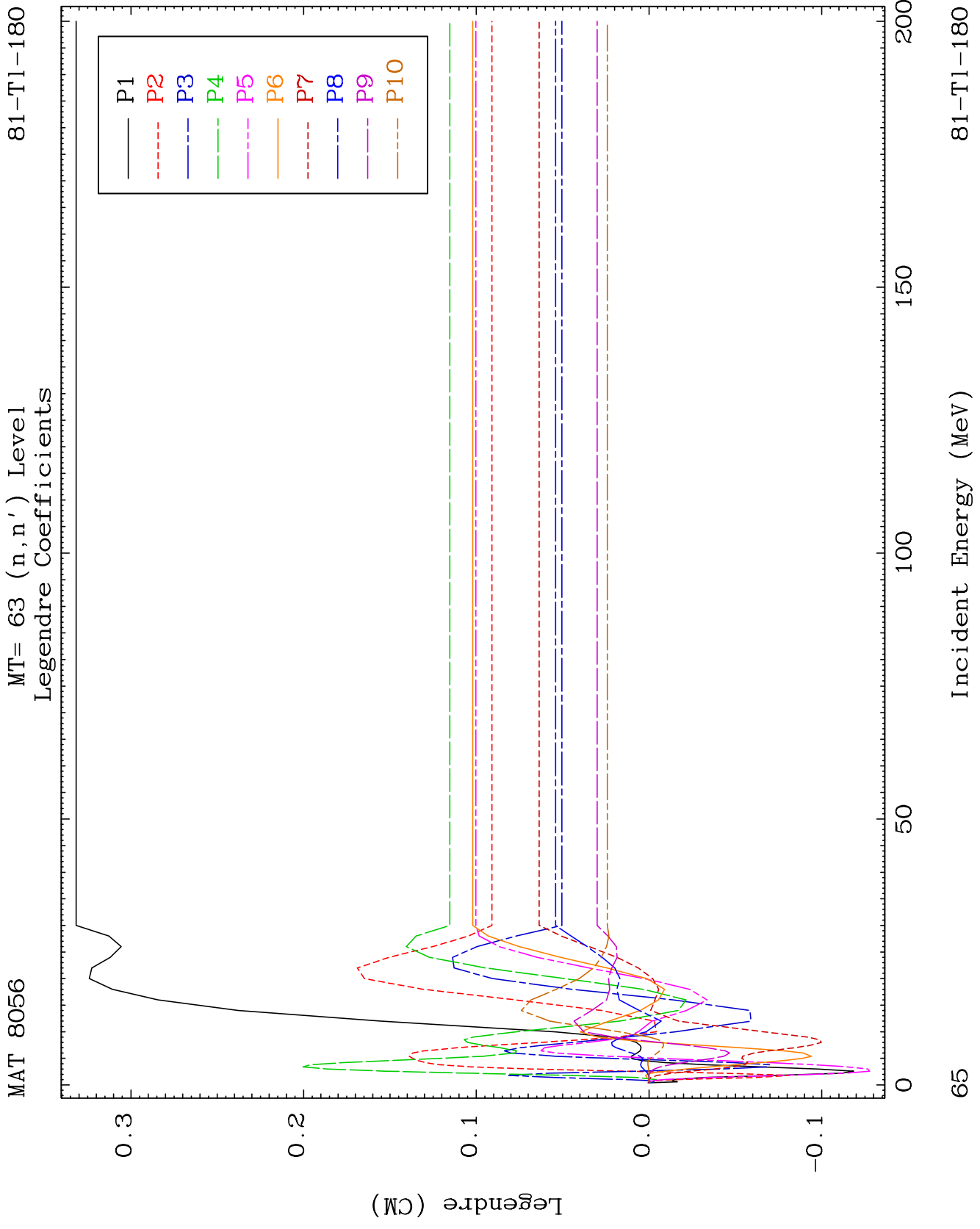








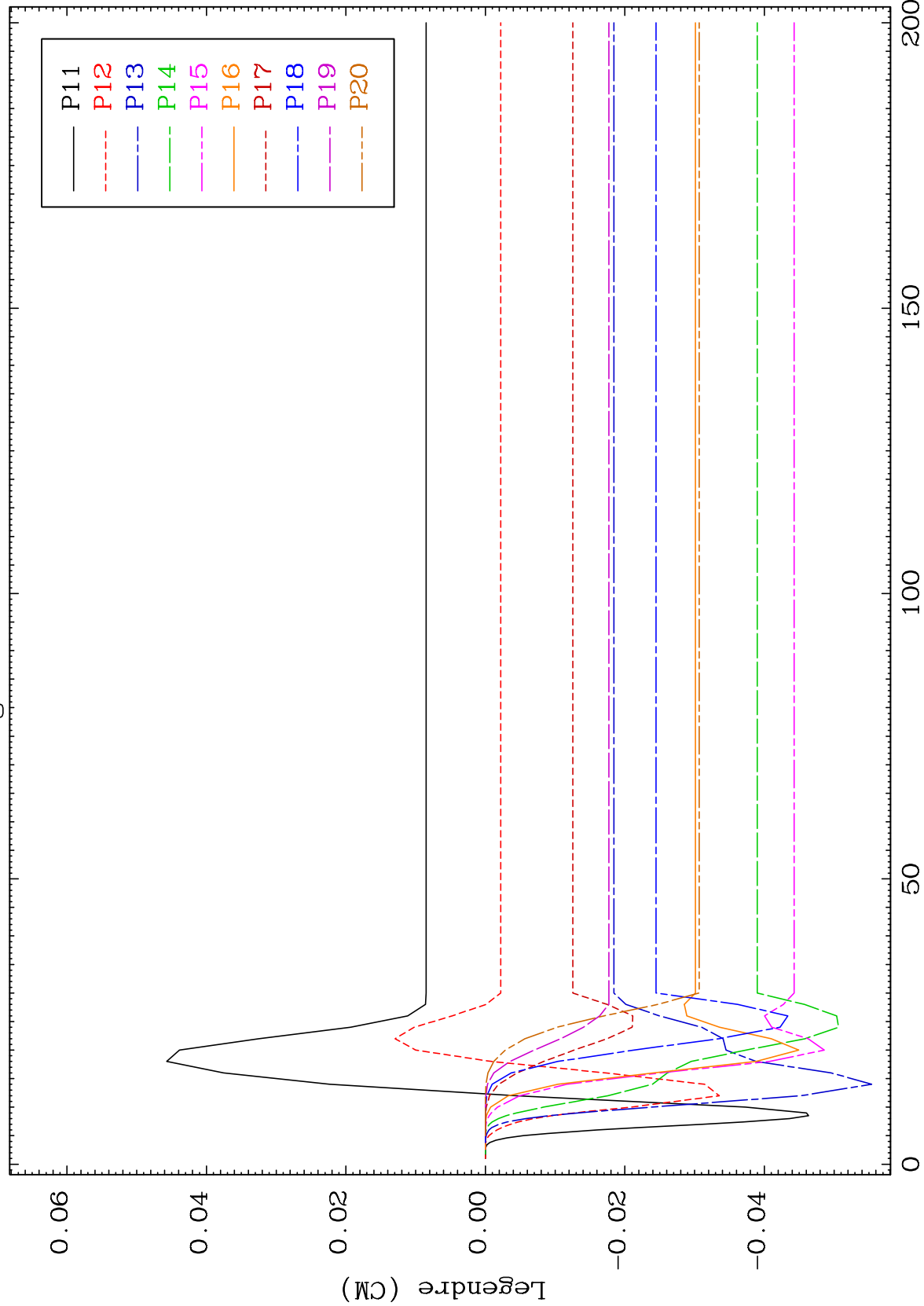




MAT 8056

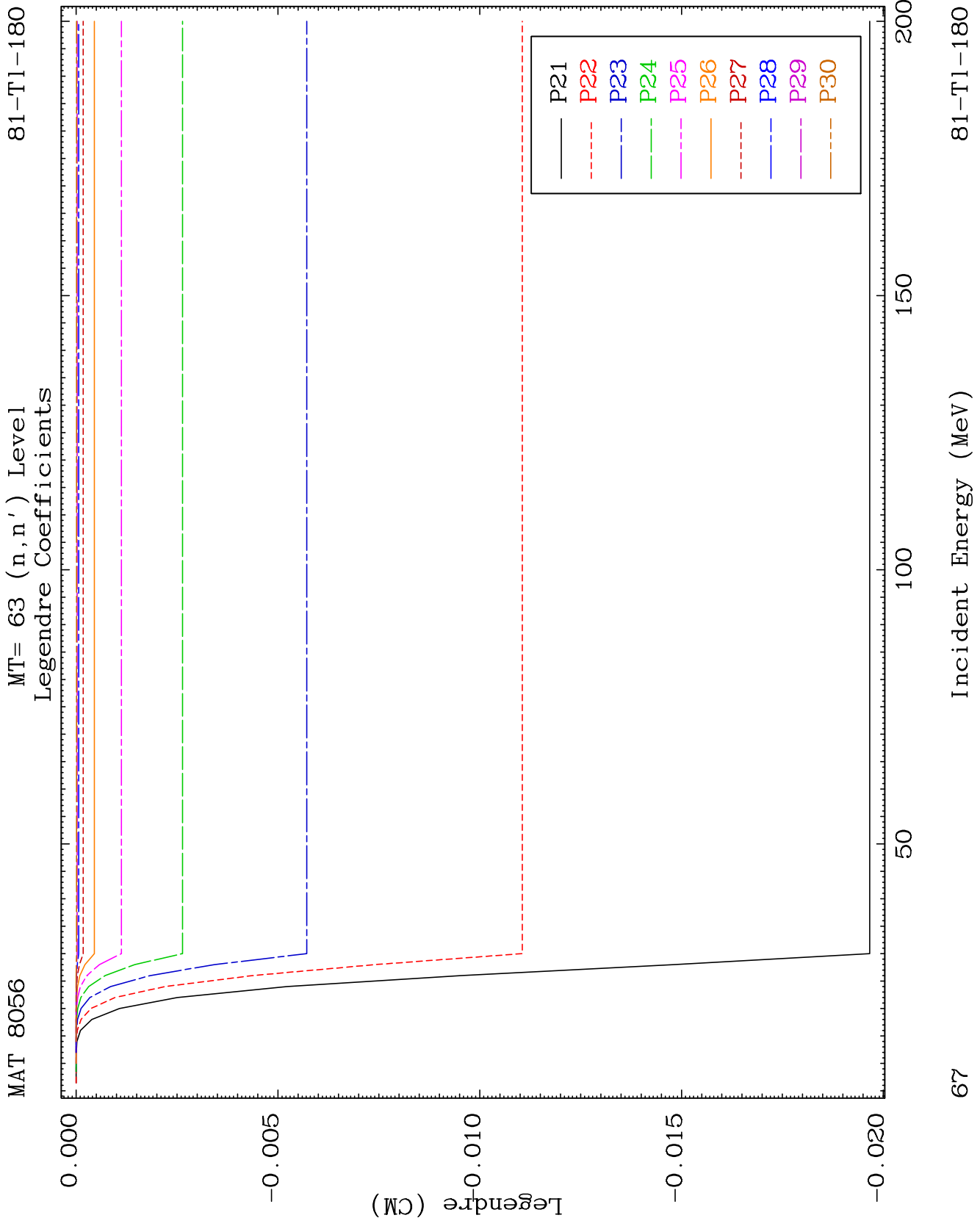
MT= 63 (n,n') Level
Legendre Coefficients

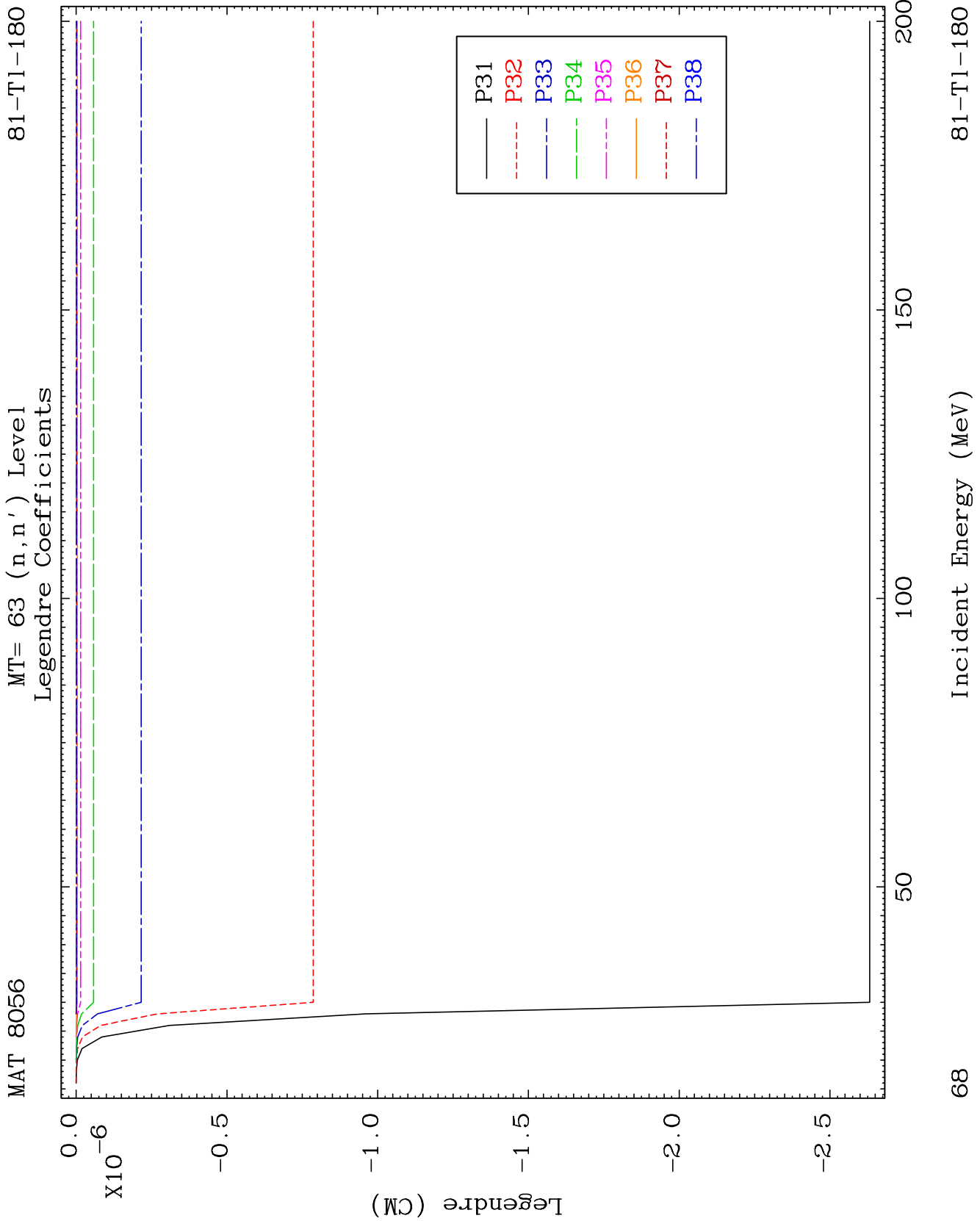
81-T1-180



66

81-T1-180

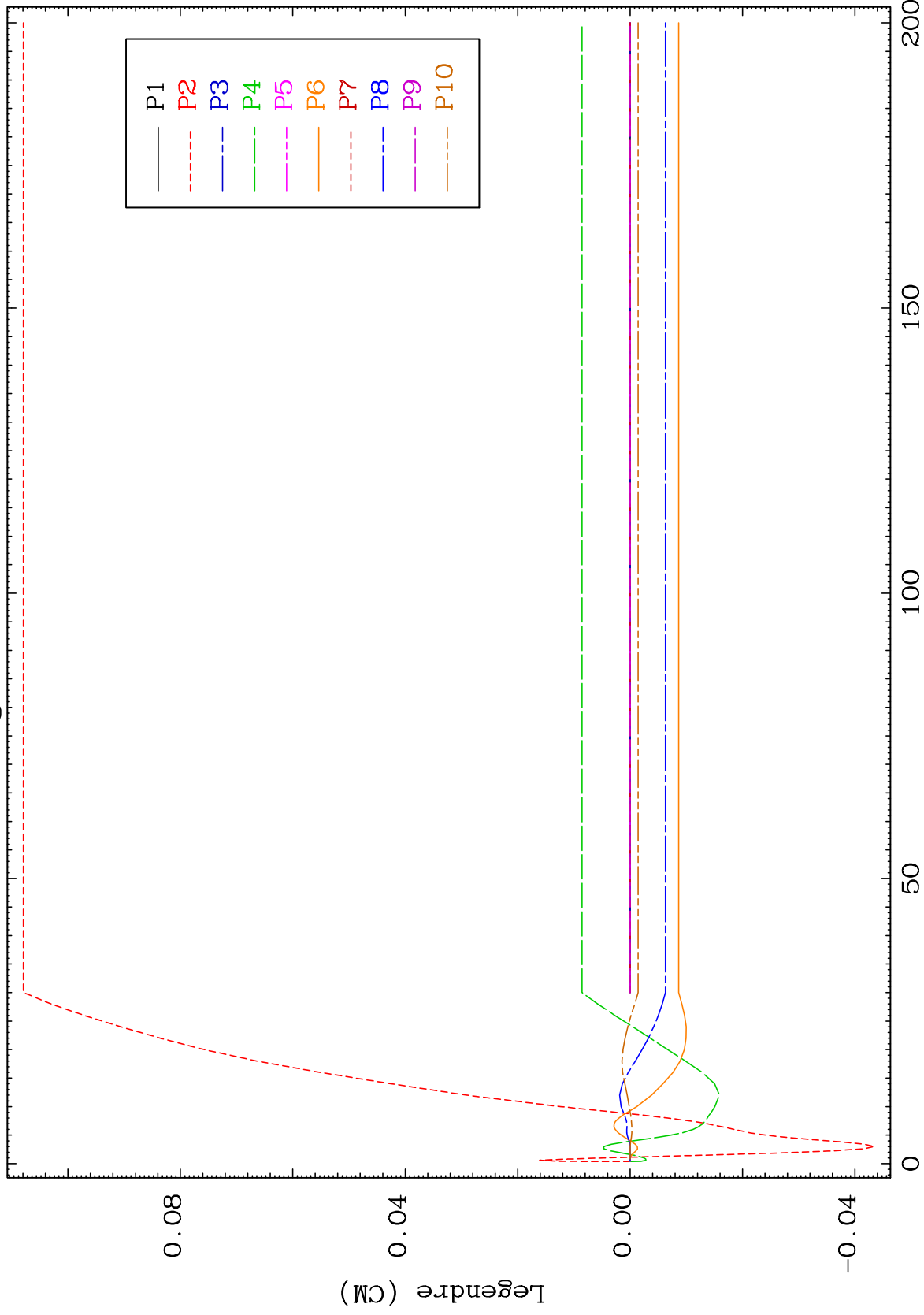




MAT 8056

MT= 64 (n,n') Level
Legendre Coefficients

81-T1-180



69

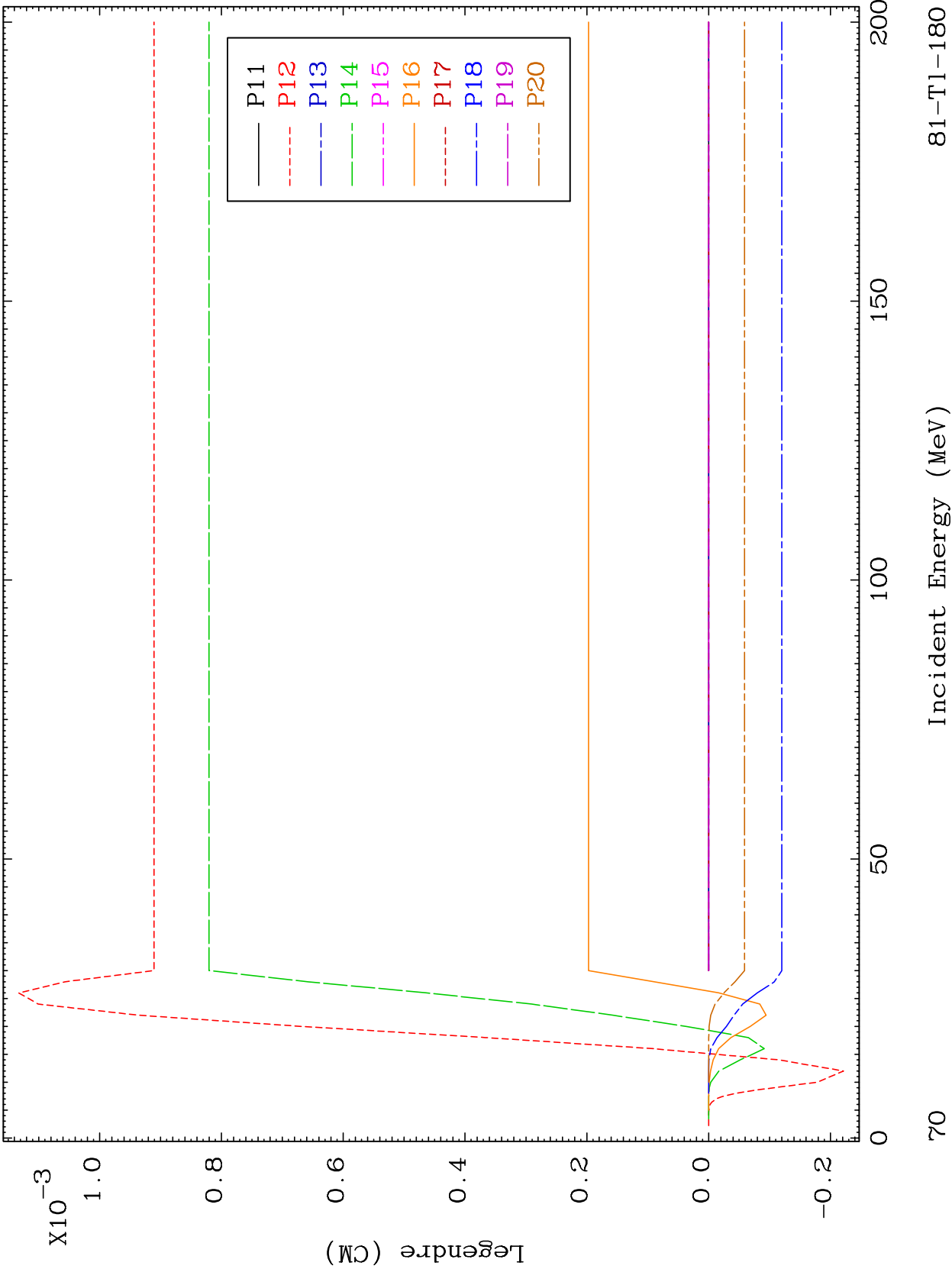
Incident Energy (MeV)

81-T1-180

MAT 8056

MT= 64 (n,n') Level
Legendre Coefficients

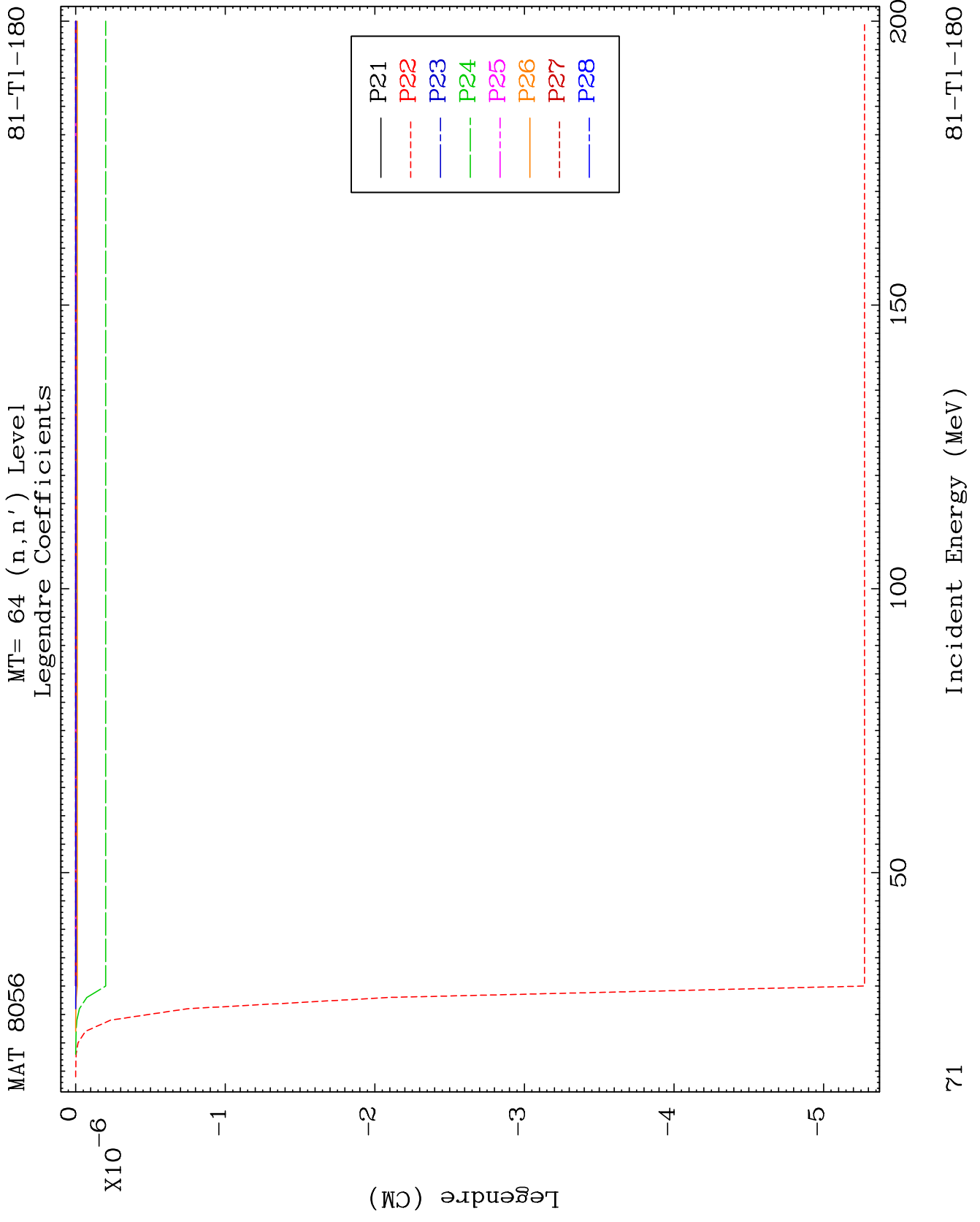
81-Tl-180

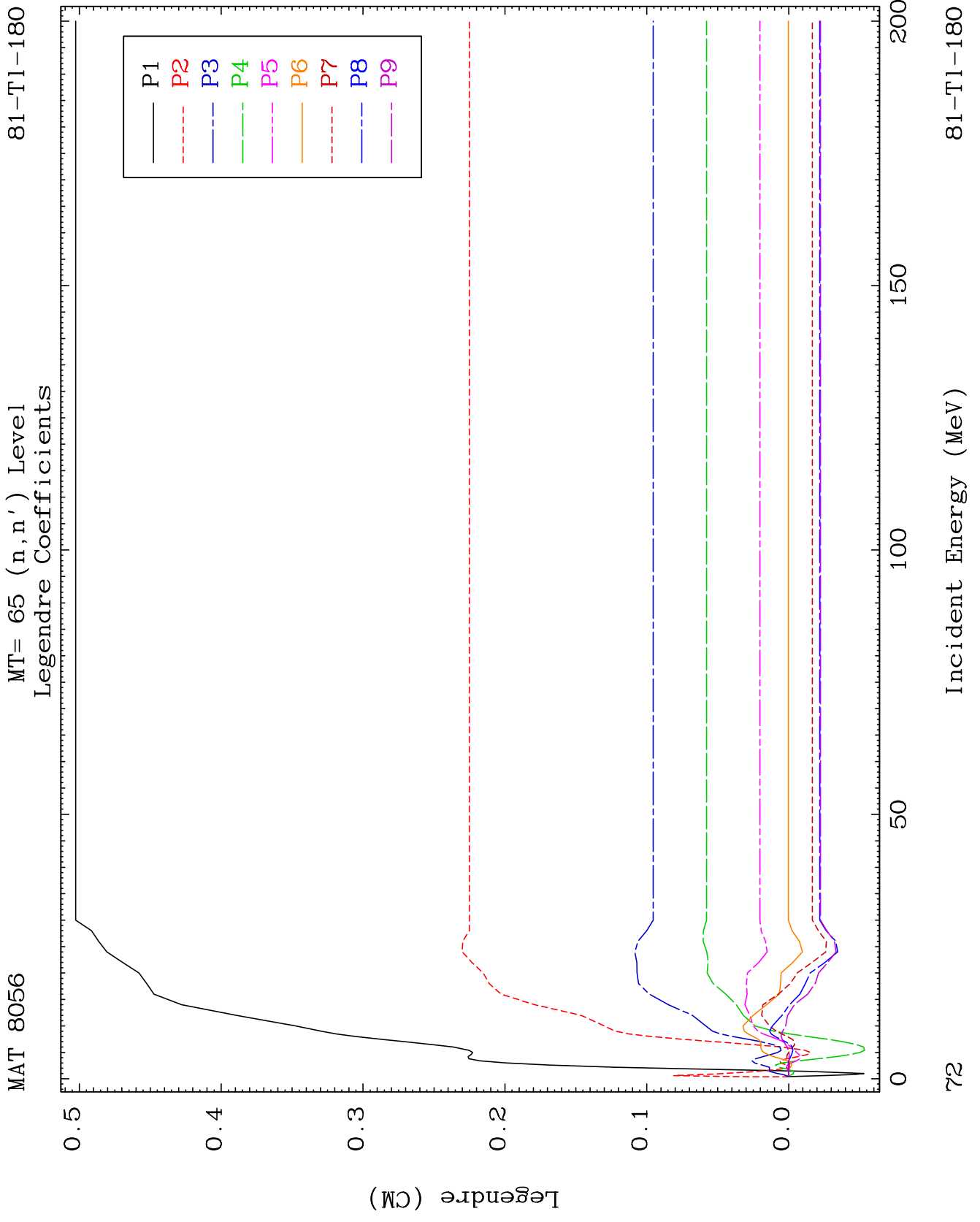


81-Tl-180

Incident Energy (MeV)

70

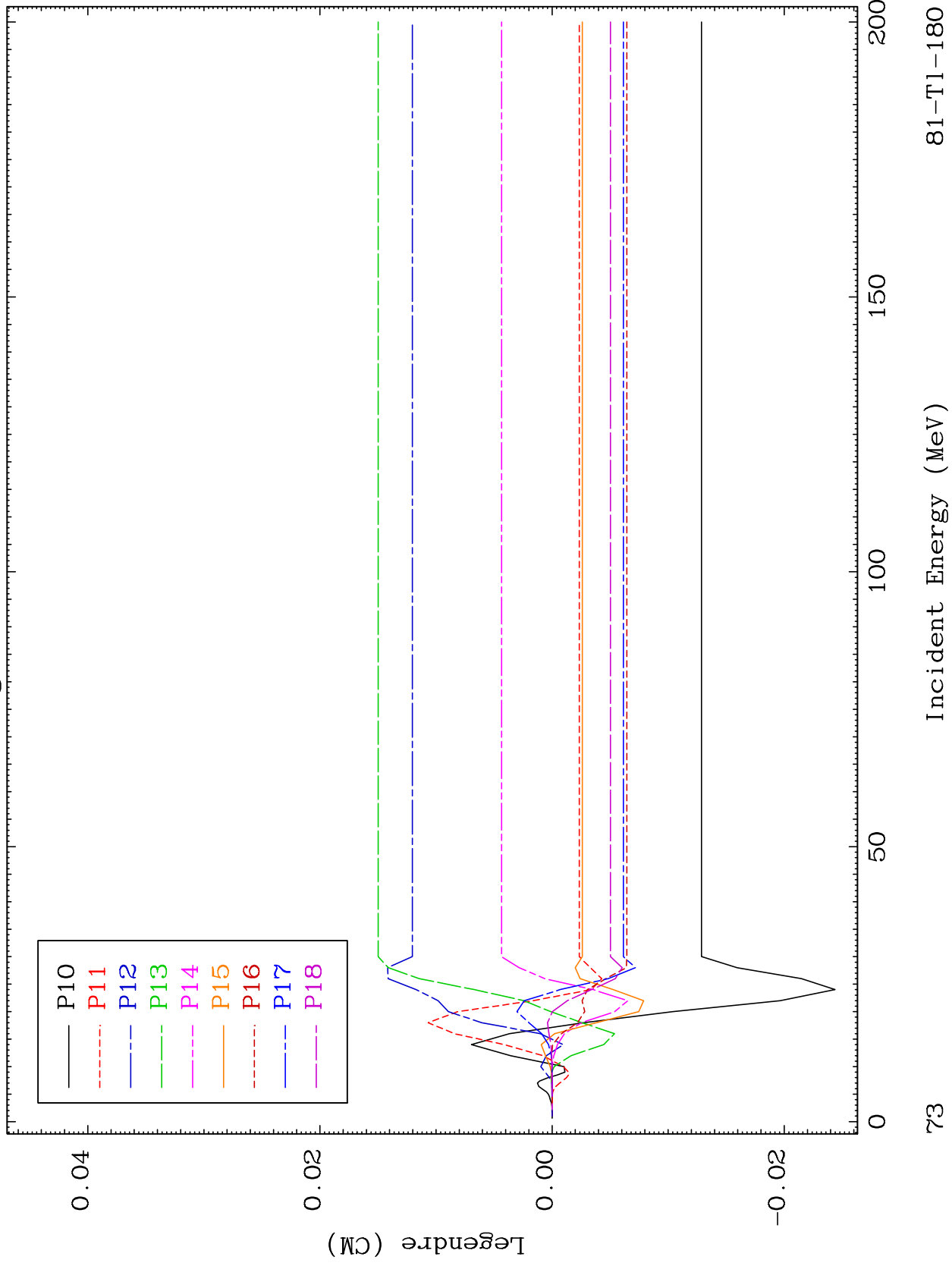




MAT 80566

MT= 65 (n,n') Level
Legendre Coefficients

81-T1-180



73

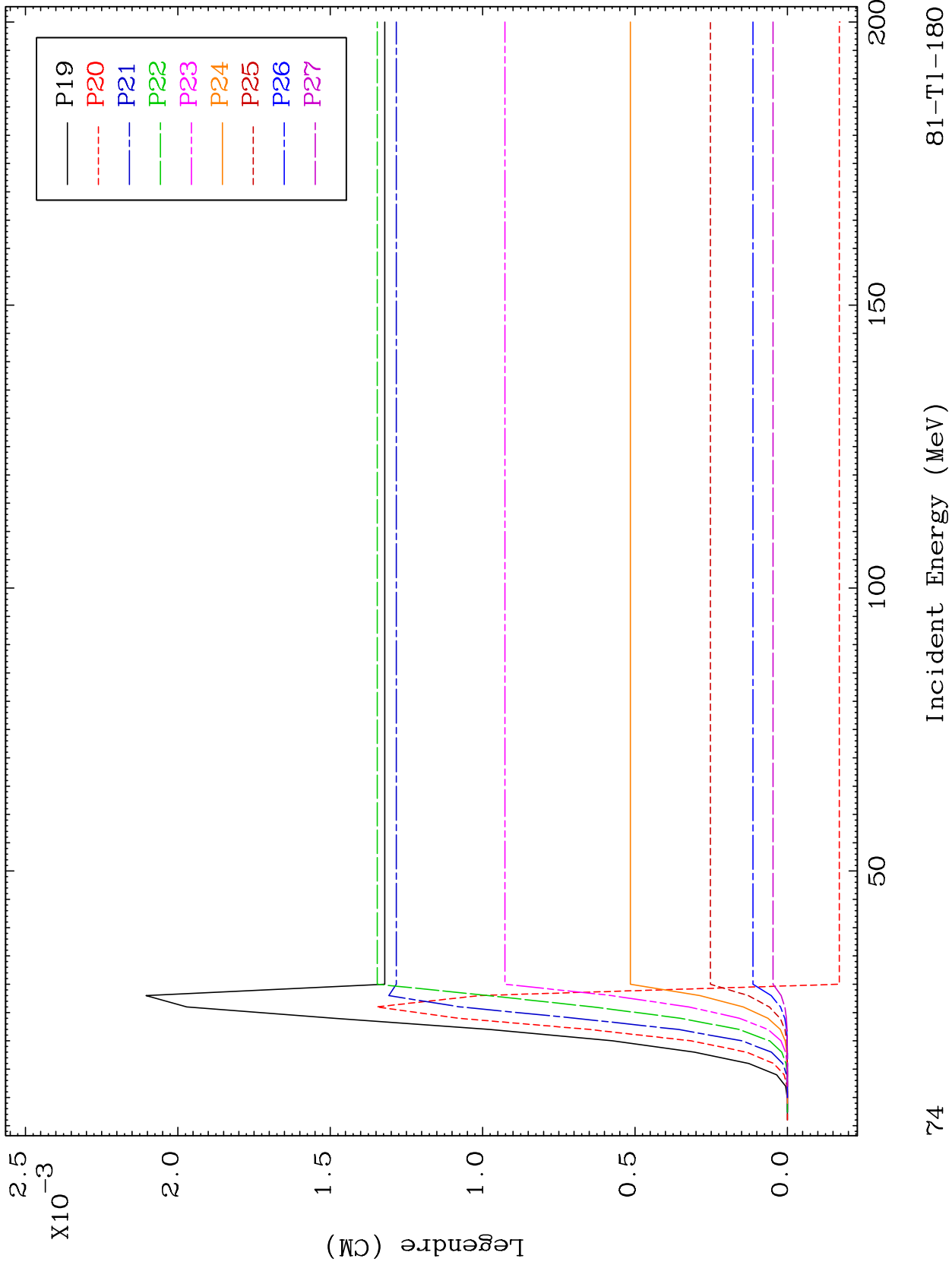
Incident Energy (MeV)

81-T1-180

MAT 80566

MT= 65 (n,n') Level
Legendre Coefficients

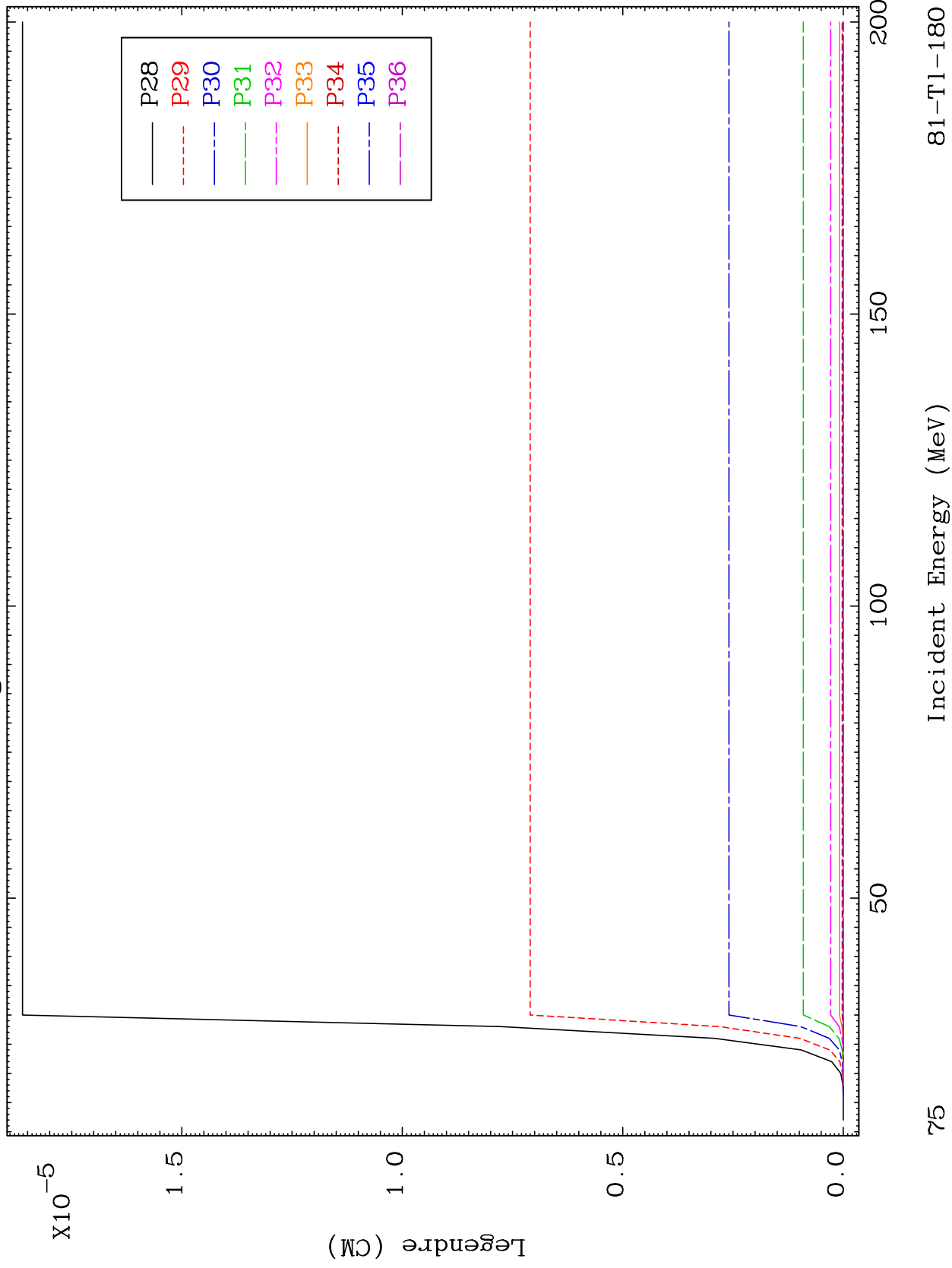
81-Tl-180



MAT 8056

MT= 65 (n,n') Level
Legendre Coefficients

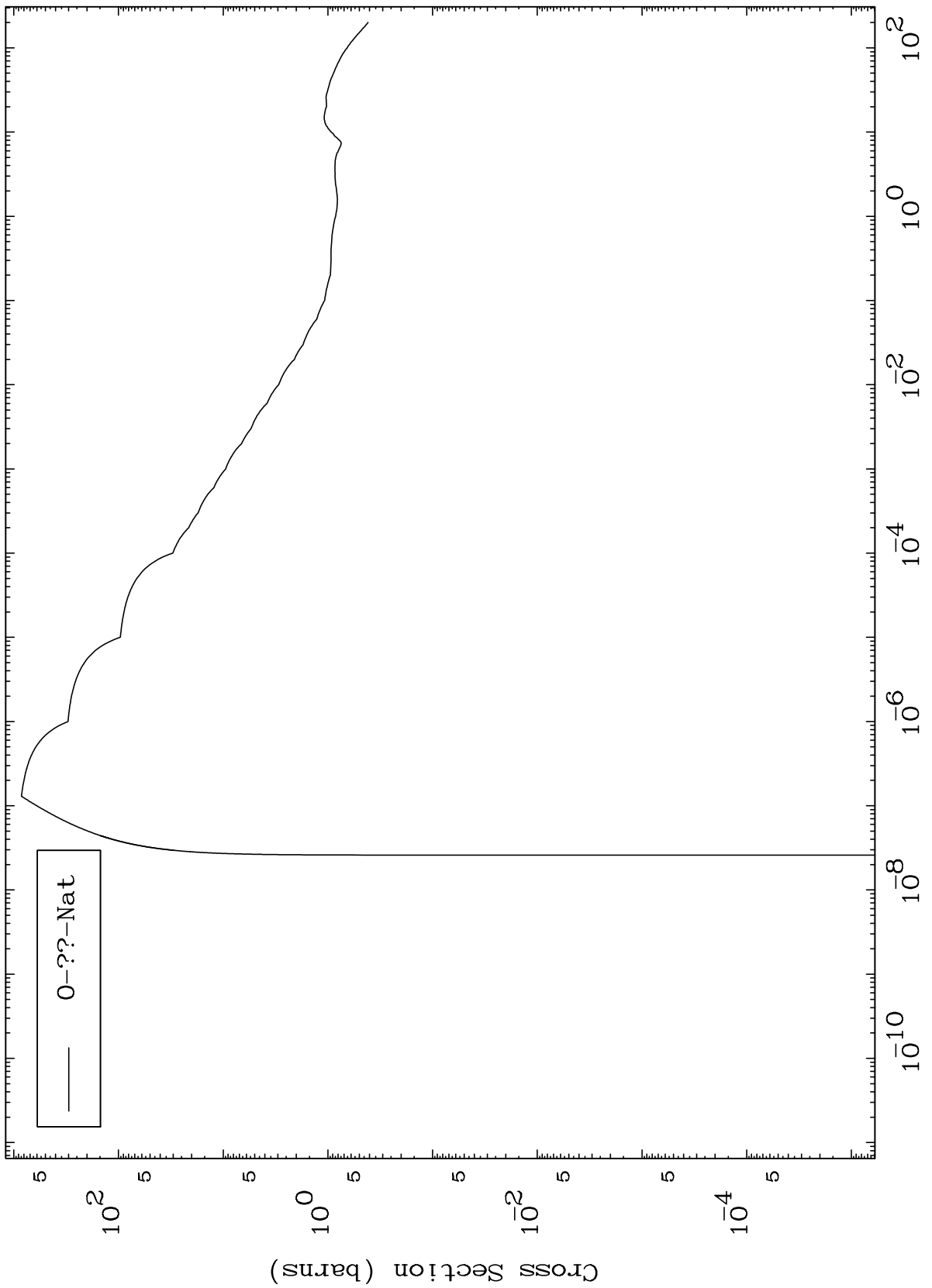
81-Tl-180



MAT 8056

81-Tl-180

Fission
Radionuclide Production Cross Section



76

81-Tl-180

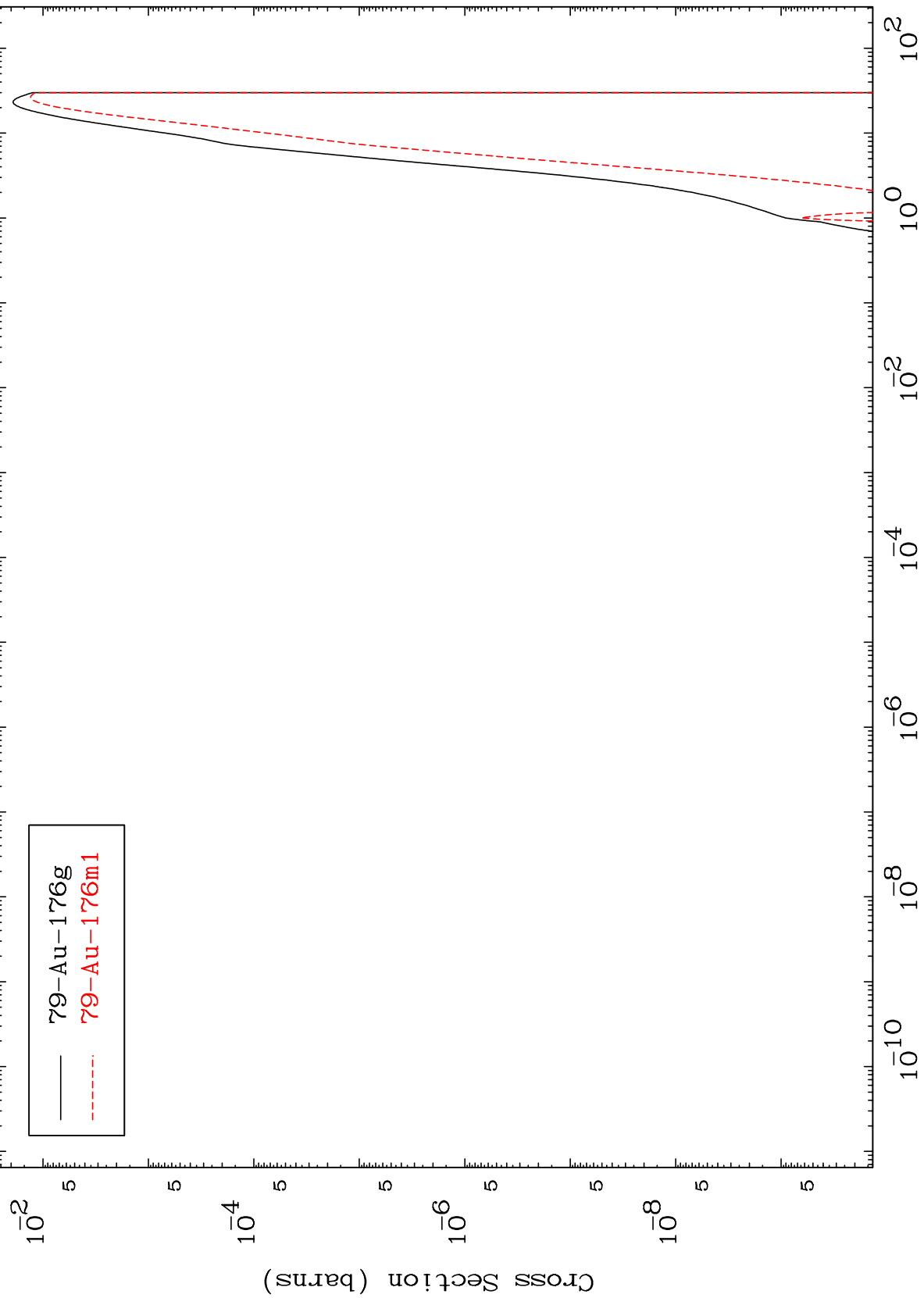
Incident Energy (MeV)

MAT 8056

$(n, n') \alpha$

81-Tl-180

Radionuclide Production Cross Section



77

Incident Energy (MeV)

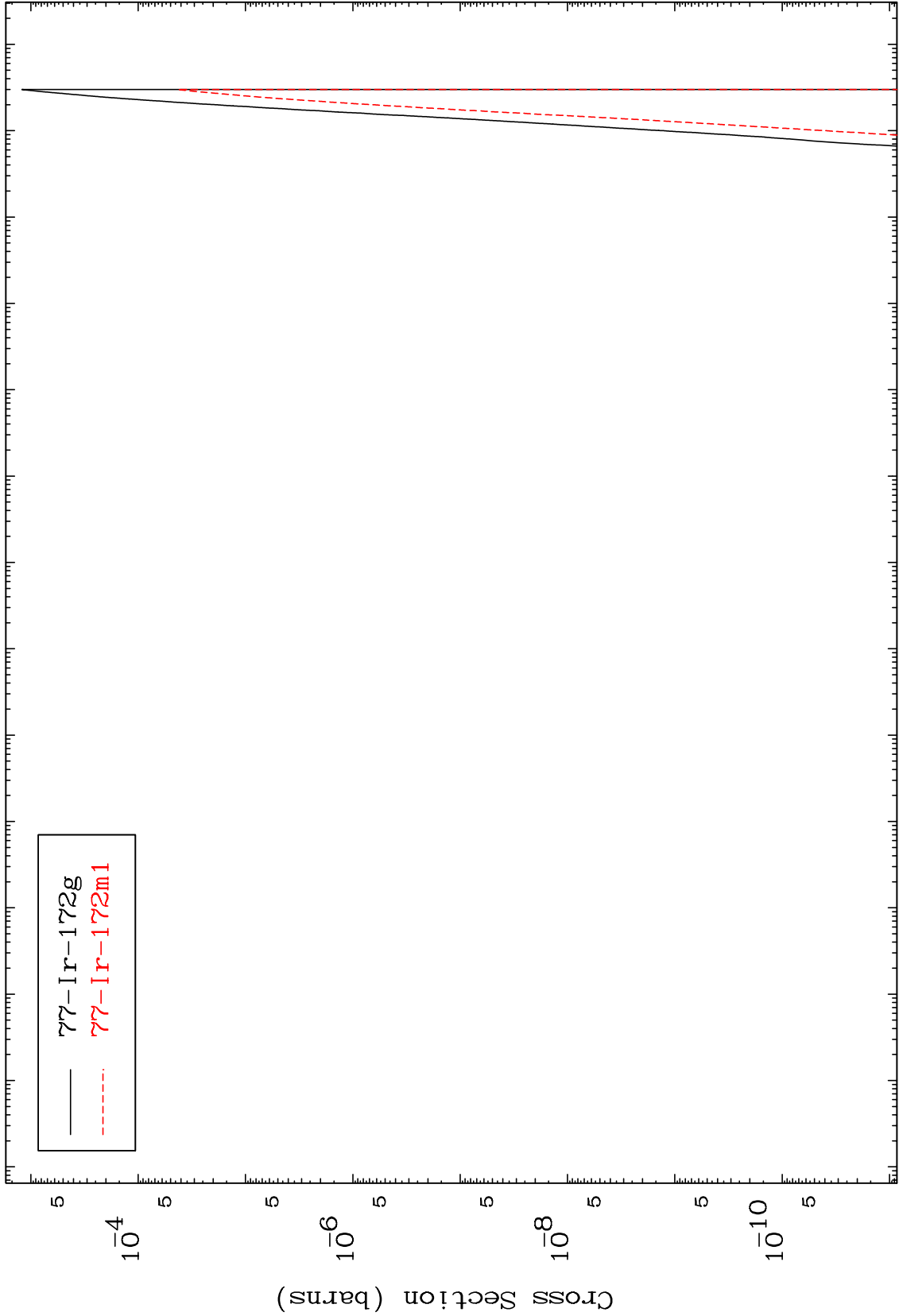
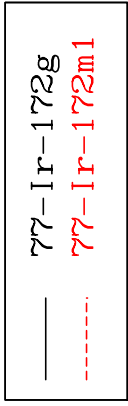
81-Tl-180

MAT 8056

(n,n') 2α

81-Tl-180

Radionuclide Production Cross Section



81-Tl-180

Incident Energy (MeV)

81-Tl-180

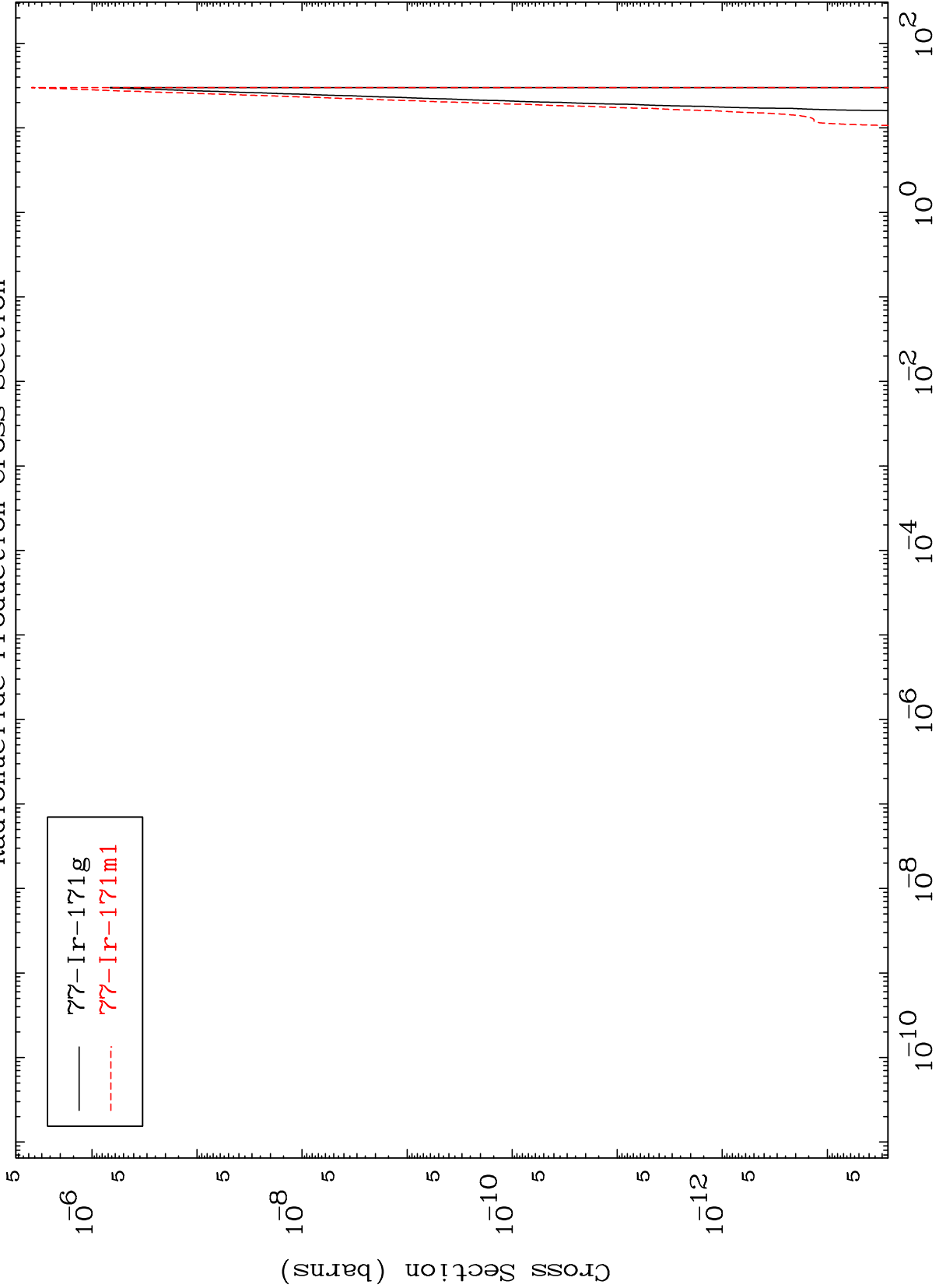
78

MAT 8056

(n,2n) 2α

81-Tl-180

Radionuclide Production Cross Section



79

Incident Energy (MeV)

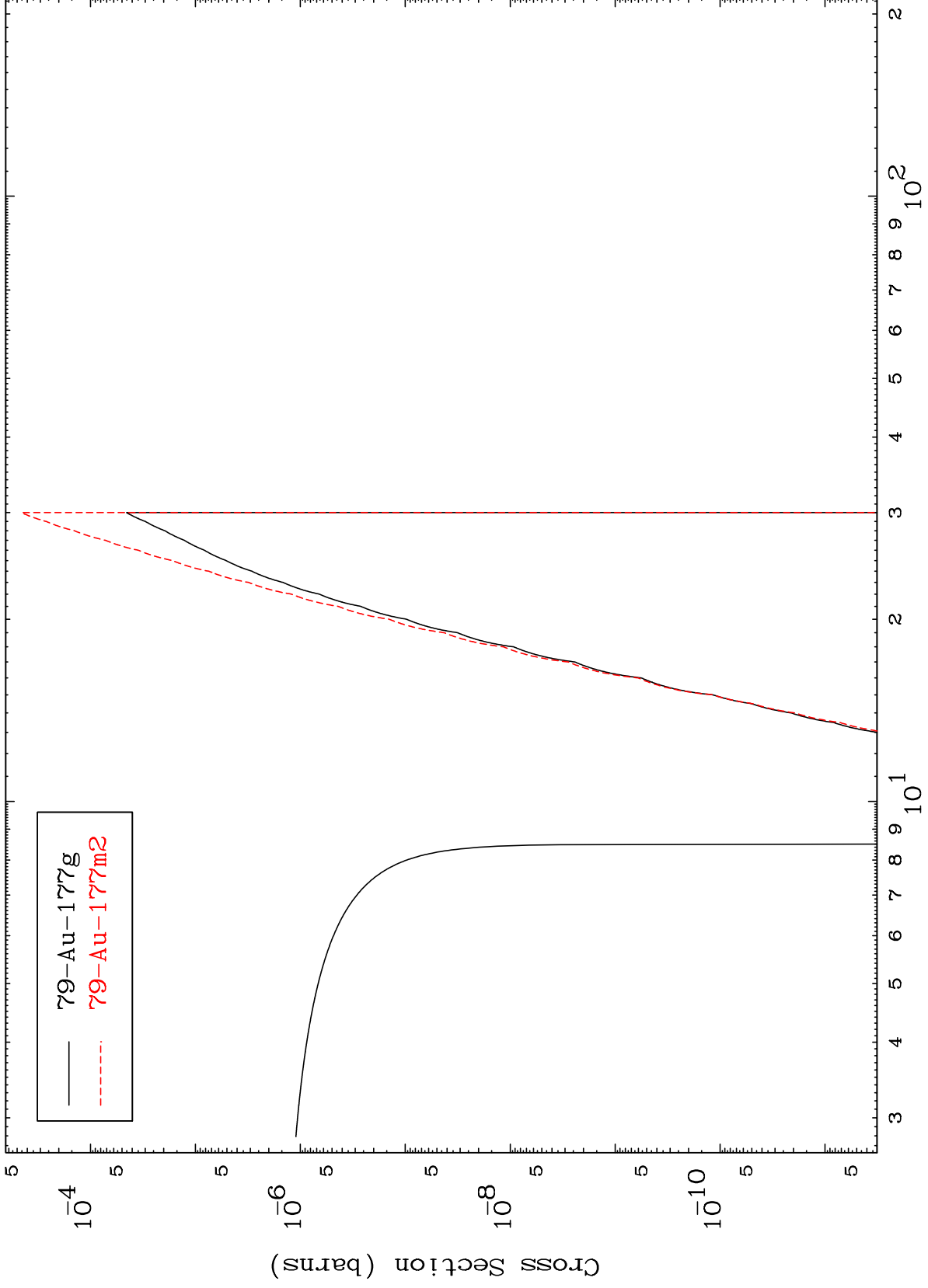
81-Tl-180

MAT 8056

(n,n') He-3

81-Tl-180

Radionuclide Production Cross Section



80

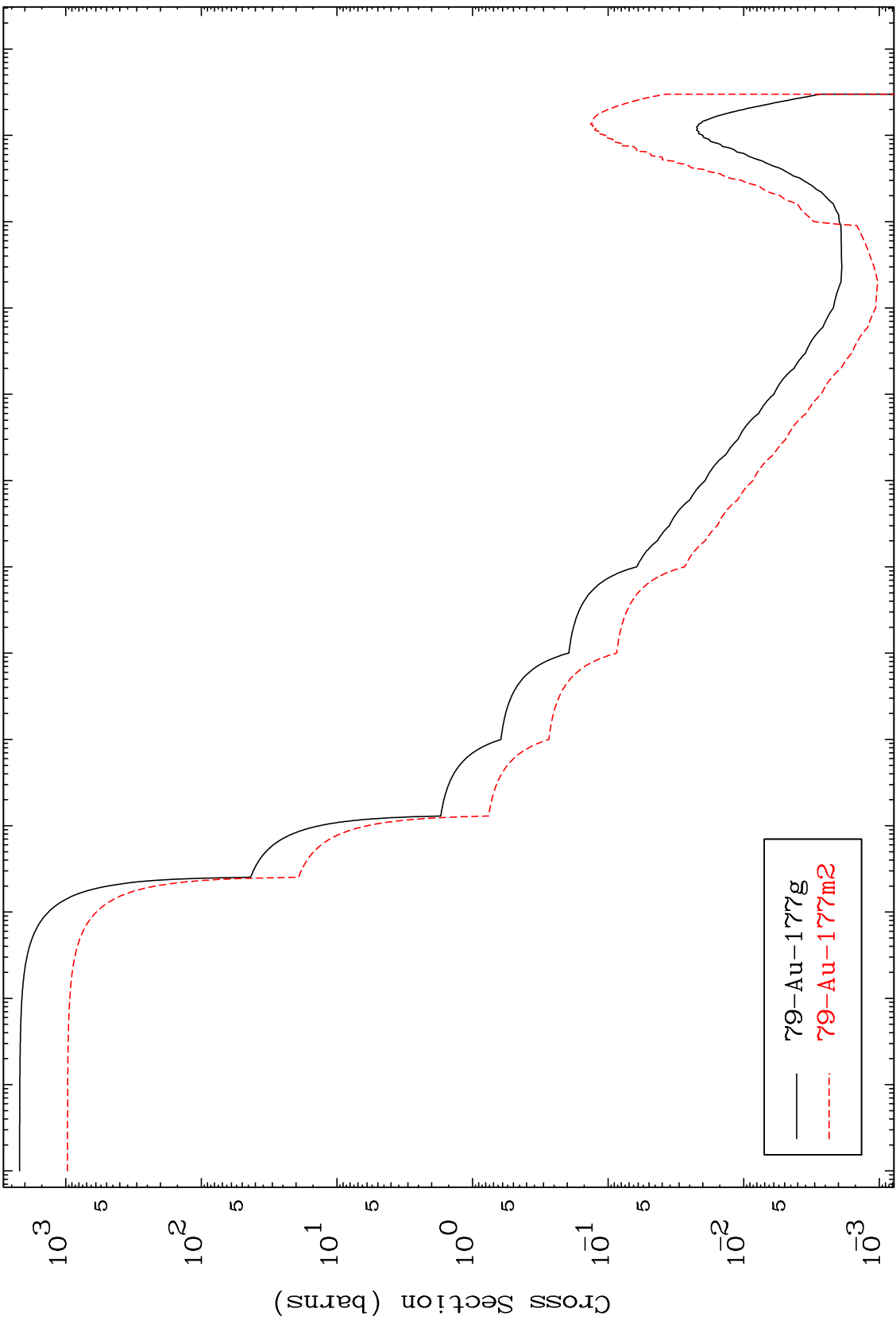
Incident Energy (MeV)

81-Tl-180

MAT 8056

81-Tl-180

Radionuclide Production Cross Section
(n, α)



— $^{79}\text{Au-177g}$
- - - $^{79}\text{Au-177m2}$

81

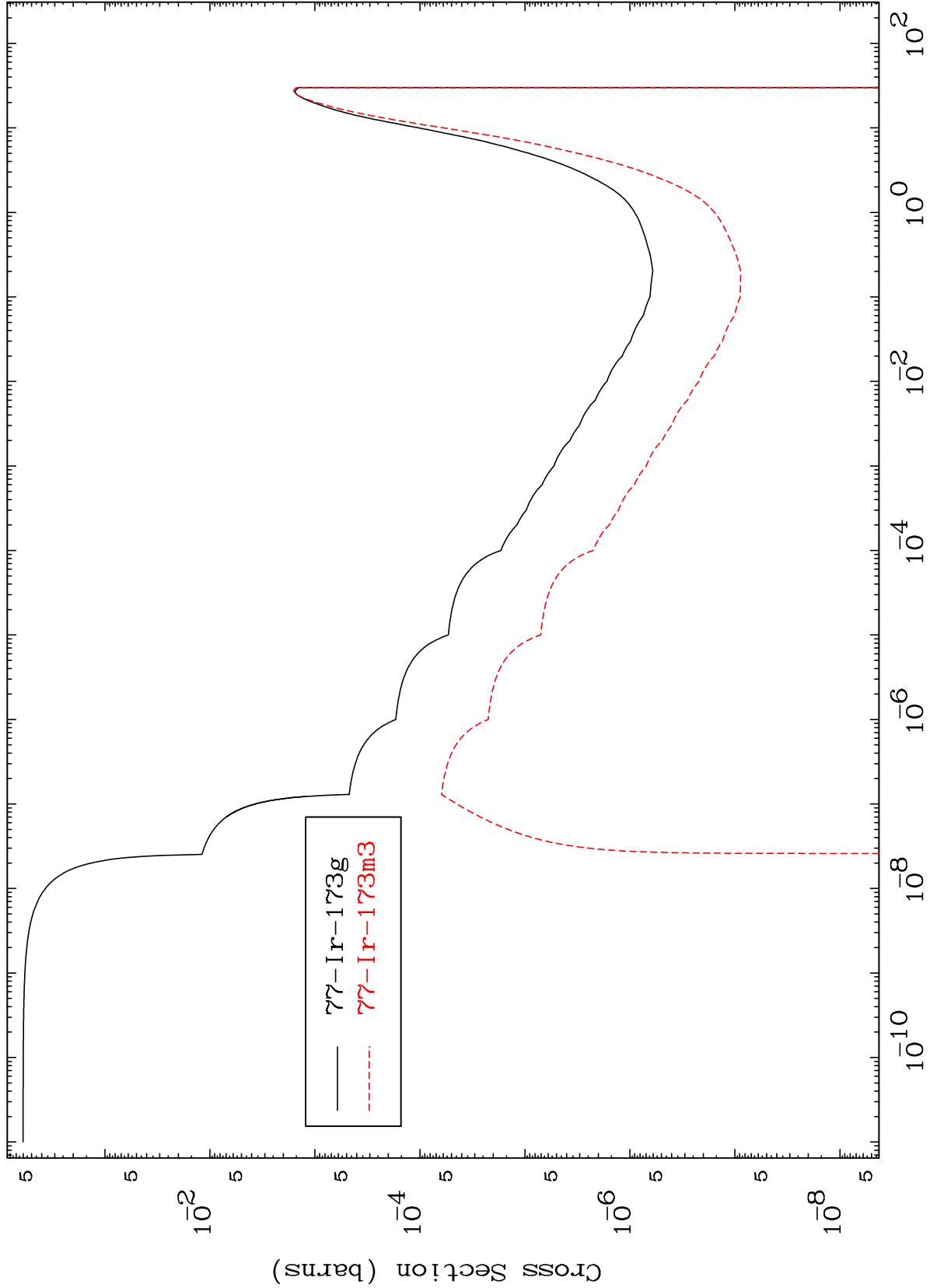
81-Tl-180

MAT 8056

(n,2α)

81-Tl-180

Radionuclide Production Cross Section



82

Incident Energy (MeV)

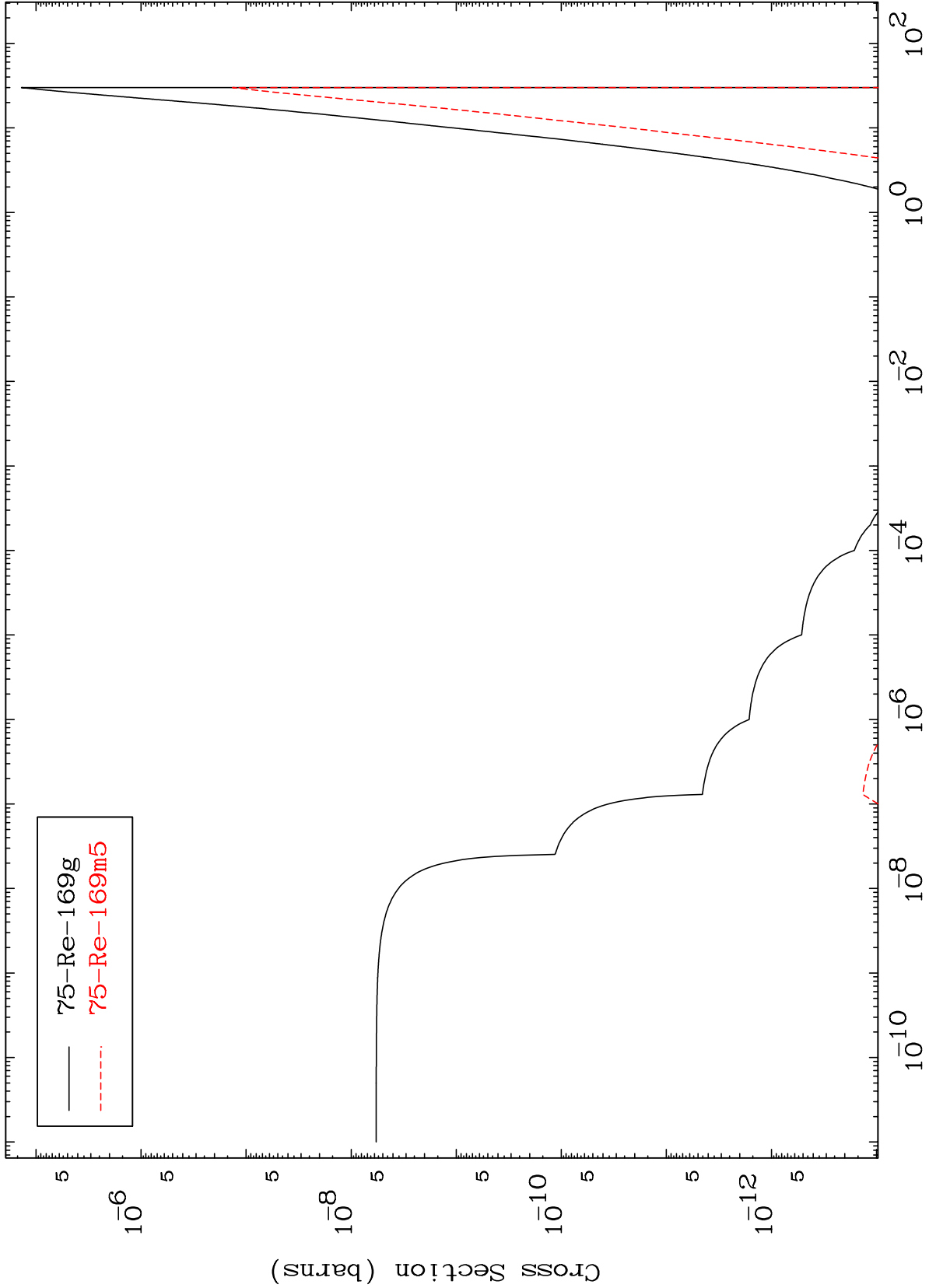
81-Tl-180

MAT 8056

(n,3α)

81-Tl-180

Radionuclide Production Cross Section



83

Incident Energy (MeV)

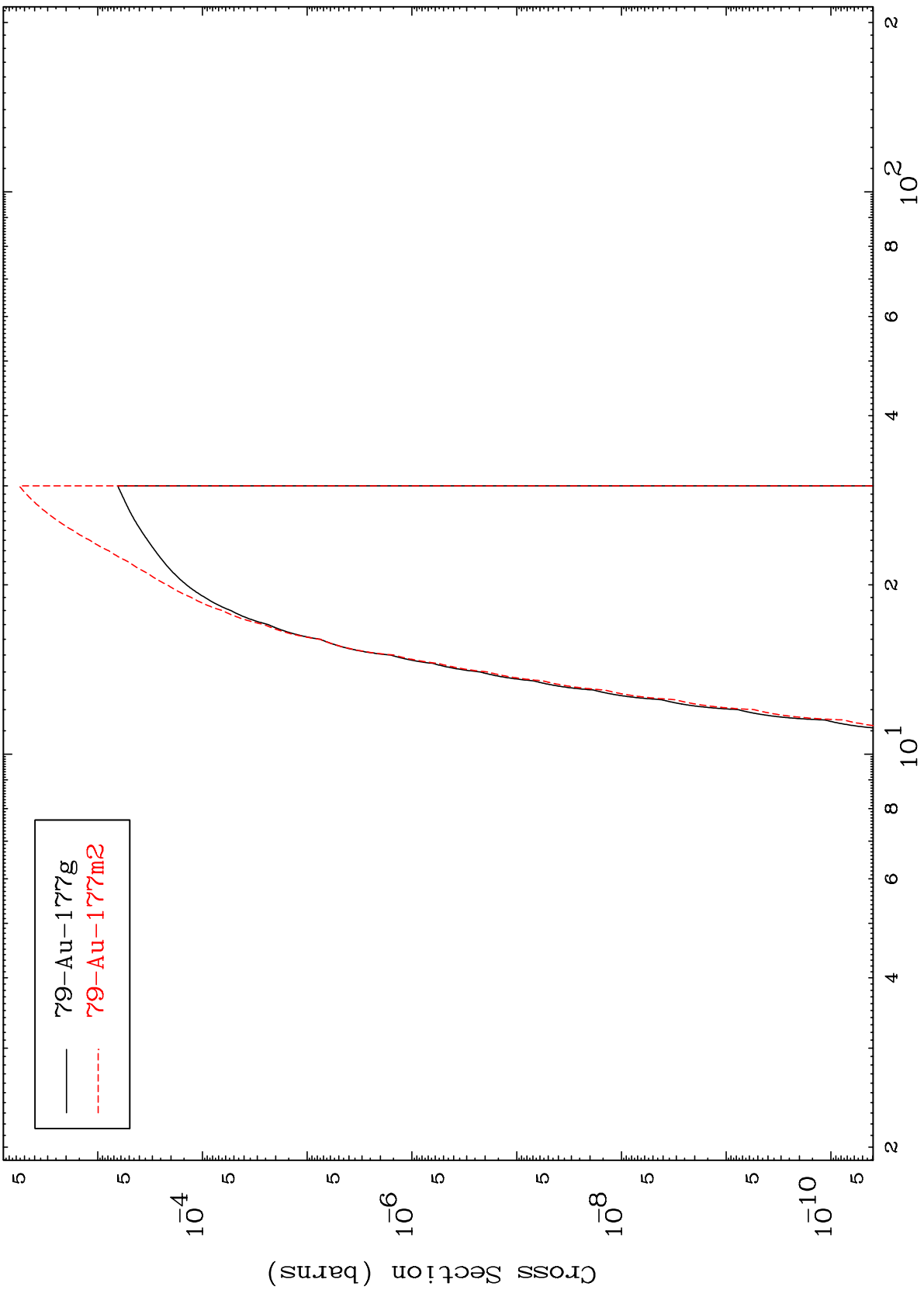
81-Tl-180

MAT 8056

(n,p) t

81-Tl-180

Radionuclide Production Cross Section



84

Incident Energy (MeV)

81-Tl-180